CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Duplicate water works system, Toronto, Ont., plans new duplicate system, $14,317,000.

Levees, etc., Dallas Co., Dallas, Tex., plans work amounting to $6,000,000.

Hydro-electric development, Aberdeen, Wash., plans development, $2,000,000 to $5,000,000.

Storm drain system, Los Angeles, Calif., plans 9 mi. rein.-con. box, $3,000,000.

Gas pipe line, Wichita Falls, Tex., Lone Star Gas Co. plans 230 mi. line, $2,500,000.

Schools, Rochester, N. Y., Bd. Educ. having plans prepared. Total, $2,800,000.

Hotel, Oakland, Calif., Drake Investment Co. having plans prepared, $2,250,000.

Theatre and office, Newark, N. J., Beacon Theatre having plans prepared, $1,500,000.

Schools, Buffalo, N. Y., Bd. of Educ. plans schools and additions, $1,545,000.

Hotel and office, Corpus Christi, Tex., J. E. Garrett & associates having plans prepared, $1,250,000.

Administration, community, etc., Boston, Mass., Congregation of Adath Israel Temple having plans prepared, $1,000,000.

Hospital, Santa Monica, Calif., Pacific Beach Hospital, Inc., having preliminary plans prepared, $1,000,000.

Club and hotel, Excelsior Springs, Mo., L. L. Brown et al. having plans prepared, $1,000,000.

Apartment, store and office, St. Louis, Mo., Local Syndicate having plans prepared, $1,000,000.

Cement plant, Universal, Pa., Universal Portland Cement Co. having plans prepared, $1,000,000.

School, Indianapolis, Ind., Bd. School Comrs. having sketches made, $1,000,000.

Club, San Francisco, Calif., Interests headed by J. B. Detwiler having preliminary plans prepared, $1,000,000.

Club, Memphis, Tenn., Elko Club having plans prepared, $1,000,000.

Lodge, Dallas, Tex., Masonic Temple Corp. plans lodge, $1,000,000.

Hotel, Houston, Tex., Suburban Development Co. having plans prepared, $1,000,000.

Bids Wanted

Hotel, Regina, Sask., June 8, Ross & Macdonald, $2,500,000.

Apartment, Chicago, Ill., R. S. DeGoyler & Co. taking bids, $2,500,000.

Road work, Alice, Tex., June 15, F. E. Hess, engr. Jim Wells Co., $1,200,000.

Theatre, Pittsburgh, Pa., June 9, Loew Theatrical Enterprises, $1,000,000.

Sewer work, St. Louis, Mo., June 22, Bd. Pub. Serv., $1,100,000.

Contracts

Cement plant, La Salle, Ill., Central States Eng. Co. to Cowen Eng. Co., $3,000,000.

City Hall, Philadelphia, Pa., Dept. Pub. Wks. to several contracts, total, $2,139,456.

Office, Boston, Mass., Fort Point Building Trust to James Stewart & Co., $2,000,000.

Piers, Poughkeepsie, N. Y., Supt. Pub. Wks. to Blakeslee & Rowlins Corp., $1,899,925.

Hospital, Brooklyn, N. Y., St. Johns Hospital to W. Kennedy Constr. Co., $1,500,000.

Classified Index of Bids Wanted

Waterworks

Bids close — *See Eng. News-Record*

June 7 Vermilion, O. ..... May 20
June 7 Rahway, N. J. ..... May 20
June 7 Crosby, N. D. ..... May 20
June 7 Springville, Calif. ..... May 27
June 7 Crenshaw, Miss. ..... May 27
June 7 West Roxbury (Boston P. O.), Mass. ..... June 3
June 7 Trafalgar, Ont. ..... June 3
June 8 Illinois ..... May 27
June 8 Phila., Pa. ..... June 3
June 8 Waterford, Wis. ..... June 3
June 9 Cleveland, Ohio ..... June 3
June 10 Sonyea, N. Y. ..... May 27
Adv. May 27 and June 3.
June 10 Bethel, Conn. ..... June 3
Adv. May 27 and June 3.
June 11 Long Island City, N. Y. ..... June 3
June 11 Flint, Mich. ..... June 3
June 15 Spiro, Okla. ..... June 3
June 15 Wheeling, W. Va. ..... June 3
Adv. May 27 and June 3.
June 16 Newark, N. J. ..... June 3
Adv. June 3.
June 19 Gulfport, Miss. ..... June 3
June 21 Okmulgee, Okla. ..... June 3
Adv. May 27 and June 3.

Sewers

June 7 Crosby, N. D. ..... May 20
June 7 Rochester, Minn. ..... June 3
June 8 St. Louis, Mo. ..... May 13
June 8 Lyndonville, N. Y. ..... May 20
June 8 Cincinnati, O. ..... June 3
June 8 Sharon, Pa. ..... June 3
June 9 Sibley, Mich. ..... June 3
June 10 Mamaroneck, N. Y. ..... May 27
Adv. May 27 and June 3.
June 10 Dorchester (Boston P. O.), Mass. ..... June 3
June 14 Ojai, Calif. ..... May 27
June 14 Lesueur Center, Minn. ..... June 3
June 15 Syracuse, N. Y. ..... June 3
Adv. June 3.
June 22 St. Louis, Mo. ..... June 3
July 6 Lynn, Mass. ..... June 3
Adv. June 3.

Waste Disposal

June 4 New Dorp (sta. Staten Island), N. Y. ..... May 27
June 8 Trenton, N. J. ..... May 27
June 8 Gulfport, Fla. ..... May 27
June 8 Peru, Ind. ..... June 3
June 21 Woodlawn, Pa. ..... June 3
Adv. June 3.
June 25 Louisville, Ky. ..... June 3
Adv. June 3.

Bids close — *See Eng. News-Record*

Bridges

June 4 Pennsylvania ..... May 27
June 4 La Crosse, Wis. ..... May 27
June 7 Anderson, Ind. ..... June 3
June 8 Conway, Mass. ..... June 3
June 8 Cohoes, N. Y. ..... May 27
Adv. May 27 and June 3.
June 8 South Dakota ..... May 27
June 8 Massachusetts ..... May 27
June 8 Boston, Mass. ..... June 3
June 8 Massachusetts ..... June 3
June 9 Illinois ..... May 27
June 9 North Carolina ..... June 3
June 11 Saginaw, Mich. ..... June 3
June 14 Huntington, W. Va. ..... May 27
June 16 Conway, S. C. ..... June 3
Adv. June 3.
June 18 Standish, Mich. ..... June 3
June 18 Cincinnati, Ohio ..... June 3
June 21 Kentucky ..... June 3
June 21 New Jersey ..... June 3
Adv. June 3.
June 25 Roanoke, Va. ..... June 3
Adv. June 3.

Excavation, Drainage, Irrigation, Levees, River and Harbor

June 4 Albany, N. Y. ..... May 13
Adv. May 13 to June 3.
June 8 Springfield, Ill. ..... May 20
June 15 Clewiston, Fla. ..... May 27
June 15 St. Louis, Mo. ..... May 13
June 21 West Palm Beach, Fla. ..... June 3
Adv. June 3.

Streets and Roads

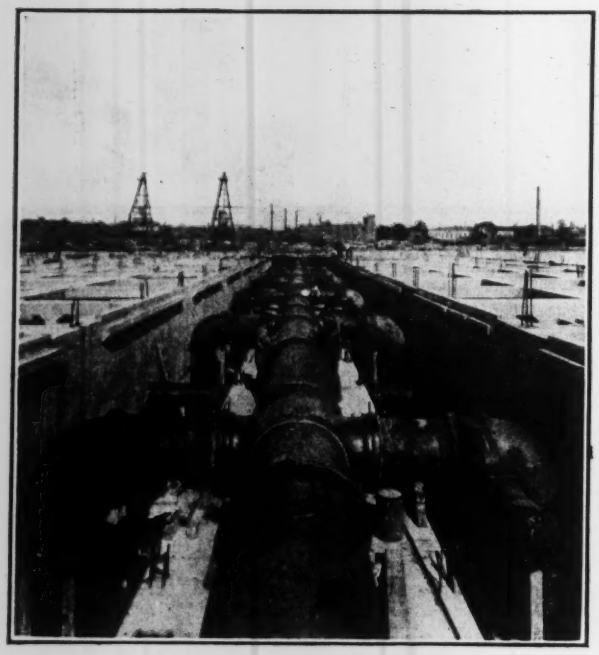
June 4 Akron, O. ..... May 27
June 4 Cincinnati, O. ..... May 27
June 4 White Plains, N. Y. ..... May 27
June 4 Columbus, Kan. ..... May 13
June 5 Boston, N. Y. ..... June 3
June 5 Oakbank, Man. ..... June 3
June 7 Lackawanna, N. Y. ..... June 3
June 7 Tonawanda, N. Y. ..... June 3
June 7 Salem, Ind. ..... June 3
June 7 Monroe, Mich. ..... May 27
June 7 Akron, O. ..... May 13
June 7 Salina, Kan. ..... May 13
June 7 La Porte, Ind. ..... May 27
June 7 Chicago, Ill. ..... May 27
June 7 Tunica, Miss. ..... May 27
June 7 Curwensville, Pa. ..... May 27
June 7 Euclid, Ohio ..... June 3
June 7 Milwaukee, Wis. ..... June 3
June 7 Aberdeen, S. D. ..... June 3
June 7 Kennett, Mo. ..... June 3

Bids close — *See Eng. News-Record*

June 7 Rochester, Minn. ..... June 3
June 7 North Bay, Ont. ..... June 3
June 7 Abingdon, Va. ..... June 3
June 8 Crown Point, Ind. ..... May 27
June 8 Maryland ..... May 27
Adv. May 27 and June 3.
June 8 Wabash, Ind. ..... May 13
June 8 Long Island City, N. Y. ..... June 3
June 8 St. Louis, Mo. ..... May 13
June 8 Eldorado, Kan. ..... May 13
June 8 St. Louis, Mo. ..... May 20
June 8 Lakewood, N. J. ..... May 20
June 8 Warsaw, Ind. ..... May 20
June 8 Dover, N. J. ..... May 20
June 8 Virginia ..... May 27
June 8 Muskegon, Mich. ..... June 3
June 8 Elkhorn, Wis. ..... June 3
June 8 New London, Wis. ..... June 3
June 8 Boston, Mass. ..... June 3
June 8 Massachusetts ..... June 3
June 8 Chicago, Ill. ..... June 3
June 9 Illinois ..... May 27
June 9 Delaware ..... May 20
June 9 Harrison, Mich. ..... May 20
June 9 Freehold, N. J. ..... May 27
Adv. May 27 and June 3.
June 9 Illinois ..... June 3
June 9 Baltimore, Md. ..... June 3
June 10 Coldwater, Kan. ..... May 27
June 10 Muskogee, Okla. ..... May 27
June 10 Tracy, Calif. ..... June 3
June 10 Sarnia, Ont. ..... June 3
June 11 Seymour, Tex. ..... May 27
June 11 Tennessee ..... May 27
June 11 Coldwater, Kan. ..... May 13
June 11 Fellsmere, Fla. ..... May 13
June 11 Olathe, Kan. ..... May 13
June 11 Dayton, Ohio ..... June 3
June 11 New York ..... June 3
Adv. May 27 and June 3.
June 11 Houston, Miss. ..... June 3
June 12 Lake Charles, La. ..... May 20
June 12 Ft. Scott, Kan. ..... June 3
June 12 Waterloo, Ont. ..... June 3
June 14 Groveton, Tex. ..... June 3
June 14 New Jersey ..... June 3
Adv. June 3
June 14 Southmont (Johnstown P. O.), Pa. ..... June 3
June 14 Plymouth, Ind. ..... June 3
June 14 Modesto, Calif. ..... June 3
June 14 Moundsville, W. Va. ..... May 27
June 14 San Rafael, Calif. ..... June 3
June 15 Woodville, Miss. ..... May 27
June 15 Hillsboro, Tex. ..... May 27
June 15 Gonzales, Tex. ..... May 27
June 15 Marlin, Tex. ..... May 27
June 15 Duluth, Minn. ..... May 20
June 15 Louisiana ..... May 20
June 15 Anderson, Ind. ..... May 13

See proposal advertising on page 174

TRADE "LEADITE" MARK
Registered U. S. Pat. Office



Pipe gallery Buffalo's new filter plant; joints made with Leadite.

Visit Our Booth at the American Water Works Convention

Used by
City of Buffalo, N. Y. For Over 20 Years

Buffalo is proud of its water works system.

It is proud of its new modern filter plant just completed and representing an investment of millions of dollars.

That is why the City of Buffalo wanted the Convention of the American Water Works Association to meet there this year, June 7th to 11th.

They wanted other water works men thruout the country to see what they have accomplished.

Buffalo has laid about 40 miles of c.i. bell and spigot water mains with Leadite.

They have tested and used Leadite for over 20 years.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%.

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
June 15	Alice, Tex.	June 3
June 15	Washington	June 3
June 15	Easton, Md.	June 3
June 15	New York Adv. May 27 and June 3.	June 3
June 16	Florida	June 3
June 16	Wildwood, N. J. Adv. May 27 and June 3.	May 27
June 17	Cross Roads (Felton P. O.), Pa.	May 27
June 17	Felton, Pa.	May 27
June 17	New Brunswick, N. J.	June 3
June 17	Flemington, N. J.	June 3
June 18	Kansas City, Tex.	June 3
June 21	Kentucky	June 3
June 21	Martinez, Calif.	June 3
June 21	New Jersey Adv. June 3.	June 3
June 22	Duluth, Minn.	May 20
June 22	Pennsylvania Adv. June 3.	June 3
June 23	Pennsylvania Adv. June 3.	June 3
June 23	Delaware Adv. June 3.	June 3
June 28	Kentucky	June 3
June 29	Louisiana	June 3
July 6	Morgantown, W. Va. Adv. June 3.	June 3
July 7	Vero Beach, Fla. Adv. June 3.	June 3

Buildings—Commercial

June 7	Cleveland, Ohio	June 3
June 8	Duluth, Minn.	May 6
June 8	Regina, Sask.	June 3
June 8	Milwaukee, Wis.	June 3
June 8	St. Cloud, Minn.	June 3
June 9	Pittsburgh, Pa.	June 3
June 10	Baltimore, Md.	June 3
June 10	Albany, N. Y.	June 3
June 10	Racine, Wis.	June 3
June 11	Toms River, N. J. Adv. May 27 and June 3.	May 27
June 14	New York, N. Y.	Apr. 29
June 14	San Luis Obispo, Calif.	May 27
June 15	Memphis, Tenn.	June 3
June 17	Charlotte, N. C.	June 3
June 22	St. Louis, Mo.	June 3
July 1	Texarkana, Tex.	Apr. 22
July 7	Sullivan, Ind.	June 3
Sept. 1	Vancouver, B. C.	Apr. 22

Buildings—Industrial

June 9	West Easton (Easton P. O.), Pa.	June 3
June 10	Chicago, Ill.	June 3
June 12	Laurelton, Pa.	June 3

Buildings—Educational, Religious

June 4	Akron, O.	May 13
June 7	Chicago, Ill.	June 3
June 8	Brooklyn, N. Y.	May 27
June 9	Los Angeles, Calif.	June 3
June 9	Scranton, Pa.	June 3
June 10	Mitchell, Neb.	June 3
June 10	Medford (br. Boston), Mass.	May 27
June 11	Wildwood, N. J.	June 3
June 12	Urbana, Ill.	May 27
June 14	Little Rock, Ark.	June 3
June 14	Downey, Calif.	June 3
June 15	Lincoln, Neb.	Jun 3
June 15	Cleveland, O.	May 27

Bids close		See Eng. News-Record
June 15	Cleveland Heights (Warrensville P. O.), Ohio	June 3
June 22	Rocky River, O.	June 3

Federal Government Work

June 7	Operating Machinery—Louisville, Ky. Adv. May 13 to June 3.	May 13
June 7	Breakwater—Presque Isle, Mich.	May 20
June 8	Hospital, etc.—North Chicago, Ill.	May 6
June 8	Mess Hall, etc.—Devils Lake, N. D.	May 27
June 8	Earthwork—New Orleans, La.	June 3
June 9	Compass Station — Empire, Ore.	May 13
June 9	Gates—Pittsburgh, Pa. Adv. May 13 to June 3.	May 13
June 9	Boilers — Terre Haute, Ind.	May 13
June 9	Chimney — Mare Island, Calif.	May 20
June 9	Dredging—Quantico, Va.	May 27
June 10	Dredging—San Diego, Calif.	May 27
June 10	Laboratory—Fort Benning, Ga. Adv. May 20 to June 3.	May 20
June 10	Tower—New York, N. Y. Adv. May 20 to June 3.	May 20
June 10	Power Plant, etc.—Hot Springs, Ark.	May 20
June 11	Dredging—Green Bay, Wis. Adv. May 20 to June 3.	May 20
June 11	Remodeling—Plattsburg, N. Y. Adv. June 3.	May 27
June 11	Lumber, etc.—Wash., D. C.	June 3
June 12	Docking Caissons—Huntington, W. Va.	May 20
June 12	Road—Idaho	June 3
June 14	Hangar—Wash., D. C.	May 20
June 14	Hulls, etc.—Louisville, Ky. Adv. May 20 to June 3.	May 20
June 14	Roadways—Baltimore, Md.	June 3
June 15	Barn, etc. — St. Cloud, Minn. Adv. May 20 to June 3.	May 20
June 16	Houses—Pittsburgh, Pa. Adv. May 20 to June 3.	May 20
June 16	Roads—Great Lake (br. Waukegan), Ill.	June 3
June 17	Boilers, etc.—Winona, Minn. Adv. June 3.	May 27
June 18	Houses—Pittsburgh, Pa. Adv. May 27 and June 3.	May 27
June 18	Remodeling—Yakima, Wash.	June 3
June 18	Plumbing, etc.—St. Louis, Mo.	June 3
June 21	Hospital, etc.—Palo Alto, Calif. Adv. May 20 to June 3.	May 6
June 21	Water System — Ft. Warren, Mass.	May 27
June 21	Dam—Pittsburgh, Pa. Adv. May 27 and June 3.	May 27
June 21	Administration, etc.—Dayton, O. Adv. May 27 and June 3.	May 27
June 21	Extension—Orlando, Fla.	June 3

Bids close		See Eng. News-Record
June 21	Foundations — Dayton, Ohio Adv. June 3.	June 3
June 22	Dredging—Chicago, Ill. Adv. May 27 and June 3.	May 27
June 22	Roads and Walks—Rutland Heights, Mass.	June 3
June 22	Road—Livermore, Calif.	June 3
June 22	Water Tank—Dayton, O. Adv. June 3.	June 3
June 22	Engines, etc.—St. Louis, Mo. Adv. June 3.	June 3
June 22	Equipment—Hot Springs, Ark.	June 3
June 23	Hulls—St. Louis, Mo. Adv. June 3.	June 3
June 23	House—Pittsburgh, Pa. Adv. May 27 and June 3.	June 3
June 24	Dredging—Miami, Fla. Adv. May 27 and June 3.	June 3
June 28	Kitchen, etc.—Livermore, Calif.	May 27
June 28	Dredging—New York, N. Y. Adv. June 3.	June 3
June 28	Breakwater — Milwaukee, Wis. Adv. June 3.	June 3
June 29	Dredging — Wilmington, Del. Adv. June 3.	June 3
June 29	Lock House—Huntington, W. Va. Adv. June 3.	June 3
July 2	Dredging — New Haven, Conn. Adv. June 3.	June 3
July 7	Motors, etc.—Wash., D. C.	May 13
July 15	Dredging—Hawaii Adv. May 13 to June 3.	May 13

Unclassified

June 7	Heating and Ventilating—Detroit, Mich.	May 20
June 7	Station Finish Work—New York, N. Y.	May 27
June 8	River Shafts—New York, N. Y.	June 3
June 9	Culvert, etc.—New Rochelle, N. Y. Adv. May 20 to June 3.	May 20
June 10	Boilers, Stokers, etc.—Danville, Pa.	June 3
June 11	Subway — Brooklyn, N. Y.	June 3
June 15	Wharf—Cap-de-la-Madeleine, Que.	June 3
June 16	Subway—Phila., Pa.	May 27
June 16	Sanitary Work, etc.—Utica, N. Y.	May 27
June 23	Subway—Phila., Pa.	June 3
June 25	Air Compressor—Farmindale, N. Y. Adv. June 3.	June 3
Sept. 30	Crane Gantries, etc.—Otahulu, New Zealand	May 20

Materials

June 4	Cement, etc.—St. George, N. Y.	May 27
June 4	Gas Pipe, etc.—Richmond, Va.	May 20
June 8	Creosoted Blocks—Chicago, Ill.	June 3
June 9	Cable—Boston, Mass.	June 3
June 11	Gravel—Louisiana	May 20

News of New Work

Waterworks

Proposed Work

Conn., Willimantic—Plans improving and enlarging water supply. $125,000 appropriated. J. T. Tracy, mayor.

N. J., Hammonton — Common Council plans 6 in. mains in Bway., Valley and Woodman Aves., etc. $24,000. Engineer not selected.

Md., Hagerstown—Rejected bids May 18, filtration plant and pumping station. G. L. Bean, Abbott Bldg., Phila., Pa., engr.

S. C., Chester — Voted $200,000 bonds waterworks and sewers in various streets.

Ind., Kentland—Penick & Ford plan rein.-con. and steel water settling basin, centrifugal pumps, c.i. pipe and fittings, etc. $25,-000. F. Friedline, Kentland, engr.

Ill., Niles Center—City takes bids about June 26, 200,000 gal. capacity steel tank on 100 ft. tower, 4 ft. riser, etc. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs.

Ill., Olney — Plans waterworks plant, incl. pumping equipment, distribution mains, etc. Edward Flad & Co., 1312 Chemical Bldg., St. Louis, Mo., engrs. This corrects report in Apr. 29 issue.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Ill., Riverside—See "Streets and Roads."

Mich., Detroit — Dept. Water Supply, making plans two 1½ m.g. elevated steel water tanks. G. H. Fenkell, 176 East Jefferson Ave., genl. mgr.

Minn., Litchfield—Making plans approximately 5 mi. mains, etc., in various streets. $40,000. M. Mortenson, city clk.

Kan., Kenorado—Election June 7, $30,-000 bonds, waterworks. Haskins & Crawford, 824 Finance Bldg., Kansas City, Mo., engrs.

Mo., Pleasant Hill — Defeated $21,000 bonds, improving waterworks. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs. Noted May 6.

Mo., Seymour — Defeated $35,000 bonds, improving waterworks and distribution system. Noted Apr. 29.

Ark., Foreman — Making preliminary plans complete waterworks and distribution system. $50,000. Engineer not selected.

Tex., Olmito (near Brownsville) — A. Parker Securities Co., Brownsville plans waterworks system at new town site, incl. large reservoir, settling basin, etc., here. $120,000.

Tex., Wichita Falls — Election June 12, extending mains, etc., in various streets. $100,000. F. M. Regly, Wichita Falls, engr.

Okla., Boise City—Voted $18,000 bonds, new waterworks, incl. 10,600 ft. 4 and 6 in. c.i. mains, deep well pump, etc. C. Margo, city clk. Engineer not selected.

Okla., Cherokee — Voted $37,500 bonds waterworks improvements, incl. deep well and centrifugal fire pump, 200 hp. Diesel

Constr. News page 342

Saving Construction Time

The Mayflower crossed the ocean in 96 days. Today the Leviathan makes the trip in less than a week.

In construction work as in travel, saving *time* often is important. Frequently, work must be rushed to completion in the quickest possible time.

On such jobs, you want to speed up work all along the line. You do not want to wait the weeks usually required for concrete to gain the desired strength. You do not need to.

By using what an editorial in *Engineering News-Record* calls "well-authenticated" methods and standard *Universal* cement—the same quality *Universal* regularly used—you can secure *strong* concrete in *3 days* and at the same time get concrete that is much better and much stronger forever after than concrete as ordinarily placed.

Copies of the *Engineering News-Record* editorial on "High Early Strength Concrete" together with detailed information on methods of obtaining this *time*-saving, *strong* concrete in *3 days* furnished promptly on request to

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth
Cleveland Columbus New York

Concrete for Permanence

Waterworks (Continued)

oil engine, etc. B. Davis, city clk. Engineer not selected. Noted Apr. 29.

Calif., Ft. Bragg—Making estimates extending water and fire protection systems. $15,000 or more.

Calif., Glendale—See "Sewers."

Calif., Sacramento—Plans election $350,000 bonds, 8 additional filtration beds and purchasing equipment for waterworks; also $550,000, extending mains and installing fire hydrants on various streets. A. J. Wagner, city engr. Noted May 13.

Calif., Santa Ana — Orange Co. Water Dist. 3, making specifications improving water system, 6,720 lin.ft. 4 and 6 in. c.i. pipe, 1,000 lin.ft. 2 in. steel pipe, deep well pump, etc. W. K. Hillyard, Santa Ana, engr. Noted May 13.

Ont., Toronto—Made plans new duplicate waterworks, incl. 7,550 ft. 10 ft. tunnel and pipe into 50 ft. water, pumping station, filtration plant and 12,000,000 imp. gal. reservoir at Victoria Park, 7 ft. tunnel 30,500 ft. long from Victoria Park Pumping Station to existing pumping plant at John St., 6 ft. tunnel 19,500 ft. long from present pumping plant at John St. to Sunnyside, new high pressure pumping station at Sunnyside, 50,000,000 rein.-con. covered reservoir at St. Clair Ave. and Spadina Rd., high pressure mains from Victoria Park pump house from Sunnyside. $14,317,000. W. Gore, Confederation Life Bldg., Toronto, and H. G. Acres, Niagara Falls, consult. engrs. Noted Jan. 22.

Bids Desired

Mass., West Roxbury (Boston P. O.) — June 7, by Dept. Pub. Wks., Boston, laying and relaying pipes in Bellaire, Glenburnie, Peak Hill and Ravanna Rds., Burnside and Cerdan Aves., $15,000. J. H. Sullivan, comr.

Conn., Bethel—June 10, by Town Selectmen, at office Town Clerk, Fountain Pl., improving water supply. N. S. Hill, Jr., 112 East 19th St., New York City, consult. engr.; adv. E. N.-R. June 3.

N. Y., Long Island City — June 11, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., mains in Oakwood Pl., 93rd Rd., Davenport, Edmore, Fairbury, and 93rd Aves., Gettysburg, 240th and 242nd Sts., etc.

N. J., Newark—June 16, at office T. L. Raymond, dir. Dept. Pub. Affairs, City Hall, Echo Lake dam, etc.; adv. E. N.-R. June 3.

Pa., Phila.—June 8, by Dept. Pub. Wks., Bureau of Water, pump and piping for Torresdale High Service Station, Contr. 795; sub-structure for mechanical filters at Belmont Filter Plant, 180 x 200 ft., rein.-con., incl. clear well, chlorine house, wash water tank, steel tank supports and appurtenances, etc., Contr. 801; electric pumping and auxiliary equipment at Queen Lane Pumping Sta., Contr. 818; railroad siding Lardners Point Pumping Sta., Contr. 825; and 12 in. mains in Chestnut Hill, Contr. 826. G. H. Biles, dir.

W. Va., Wheeling — June 15 (extended date), extending pipe lines. H. C. Lane, city clk.; adv. E. N.-R. June 3.

Miss., Gulfport—June 19, by Mayor and City Comrs., rein.-con. storage reservoir and brick building. H. D. Shaw, city engr. Noted May 27.

O., Cleveland—June 9, by Comrs. Cuyahoga Co., main in Columbia and Butternut Ridge Rd., Impvt. 753. F. Williams, Court House, engr.

Mich., Flint—June 11, by F. D. King, city clk., 3rd Ave. Pumping Station, incl. concrete, brick and steel building with c.i. piping, valves, gates, etc., Contr. S. D. 3.

Wis., Menomonie — See "Contracts Awarded."

Wis., Waterford—June 8, by L. E. Gulick, village clk., one 150 g.p.m. belt driven, deep well, double stroke plunger pump.

Okla., Okmulgee—June 21, at office Commission Finance, A. S. Baker, comr., 22,000 ft. 36 in. pipe line. L. F. Harza, 919 Monadnock Bldg., Chicago, Ill., consult. engr.; adv. E. N.-R. June 3.

Okla., Spiro—June 15, by W. R. Gamble, city clk., raising present dam and spillway, cleaning reservoir, new filtration plant and electric centrifugal pumps, etc. $40,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs. Noted Apr. 1.

Ont., Trafalgar—June 7, by S. H. Albertson, clk. Trafalgar Twp., 3,600 ft. 6 in. c.i. mains, gate valves, etc. in various streets, Contrs. A, B and C. $15,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Bids Received

New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., May 28, New York City, water supply conduit, strengthening existing conduit, etc., of Brooklyn Water supply, in Kings and Queens Counties, from Triest Contg. Corp., 250 Park Ave., New York City, $584,580. Noted May 20.

N. J., Trenton — City Comn., May 21, complete machinery for Paul Ave. Station and unit for Pennington Ave. Station, from C. P. Bainbridge, Hamilton Square, $8,026 and $2,746 respectively; high service station, from W. Hicks, 19 South Westfield Ave., $7,500.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, May 25, 50,000 lb. pighead, Contr. 813, from N. Trotter, 36 North Front St., $3,985; flow meters, Contr. 416, from P. B. Hyatt Co., 5 South 18th St., $6,092; two 50 ton capacity steel cars, Contr. 819, from J. B. McHugh, Jr., 1617 Race St. $6,390; and electric cables, Contr. 820, from Standard Underground Cable Co., North American Bldg., $1,685. Noted May 20.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., May 20, wrecking buildings west of engine room and constructing concrete foundation and retaining wall for 60 x 176 ft. brick, concrete and steel addition to North Point Pumping Station, from Siderits Constr. Co., 1591 2nd St., $60,700. Noted May 13.

Calif., Laguna Beach—Laguna Beach Co. Water Dist., P. O. Box 647, Reservoir 1, 7,600 cu.yd. excav., 610 cu.yd. rein.-con. 12,900 sq.ft. concrete in floor, etc., from O. Moore, Santa Ana, $29,435; Reservoir 2, 2,800 cu.yd. excav. 338 cu.yd. rein.-con., 6,230 sq.ft. rein.-con. in floor, etc., from Nead Constr. Co., 119½ West Anaheim St., Wilmington, $12,876; furnishing (Schedule 1), 2 deep well turbine pumps, from B. Jackson Pump Mfg. Co., 6th and Carlton Sts., Berkeley, $2,120; and (Schedule 2), 2 centrifugal pumps, 175 ft. head and 2 with 130 ft. head and 1 with 330 ft. head, from Pacific Pump Wks., 350 Bickett St., Huntington Park. Noted May 20.

Calif., Pasadena — City, Calaveras St. reservoir, 22,592 cu.yd. excav., and 89,778 ft. concrete lining, from W. Warne, Transportation Bldg., Los Angeles, $31,998. Noted May 20.

Contracts Awarded

Me., Rumford—Rumford & Mexico Water Dist., concrete distributing reservoir, to J. H. Kerr, Rumford. Engrs. est. $40,000 or more.

N. J., South Belmar—Boro Council, 6 mi. 6, 8 and 10 in. mains, to W. E. Sexton, Jericho Turnpike, Mineola, N. Y., $64,431. Noted May 6.

N. J., Union Beach (br. Keyport)—Water Com. Boro Council, A. Cowling, clk. Union Fire Co., Union Ave., approximately 16 mi. 4- to 12-in. pipe line, to W. E. Sexton & Co., Mineola, $193,000. Former contract rescinded. Noted May 20.

Pa., Huntingdon — Water Comn., constructing 3 m.g. reservoir, etc., to Pitt Constr. Co., Inc., Empire Bldg., Pittsburgh, $57,073. Noted Apr. 15.

Ill., Kenilworth—Bd. Local Impvts., J. C. Murray, pres., improving and extending mains in various streets, incl. 8,620 ft. 6- to 12-in. c.i. pipe, ten 6 and 8 in. double gate valves, 17,500 lb. c.i. pipe fittings, etc., to Highway Constr. Co., Highland Park., $40,555.

Wis., Kohler — W. Nesemann, village clk., 8,900 ft. 6 in. c.i. pipe, to Natl. Cast Iron Pipe Co., 12 South Michigan Blvd., Chicago, Ill., $16,212; laying above pipe, to R. J. Wilson Co., 107 West College St., Appleton, $9,065; and hydrants and valves, to Chapman Valve Mfg. Co., 650 West Lake St., Chicago, Ill., $1,104 and $1,317 respectively. Grand total $27,698. Noted May 13.

Wis., Menomonie—F. W. Rowe, city clk., will construct 225,000 gal. rein.-con. reservoir, by day labor. To exceed $15,000. Noted May 13.

Tex., Houston — For 15 m.g. concrete covered storage reservoir, to Standard Constr. Co., 337 Humble Bldg., $152,000. Noted Aug. 27.

Calif., Glendale—Furnishing 188 tons 16 in. Class "B" c.i. pipe, to Nicoll Co., Rialto Bldg., San Francisco; 700 tons 6, 8 and 12 in., to U. S. Cast Iron Pipe Co., Monadnock Bldg., San Francisco; 245 tons 24 in., to Grinnell Co., 5th and Brannan Sts., San Francisco and 217 tons 4 in., to Natl. Cast Iron Pipe Co., Los Angeles.

Calif., Glendale—See "Sewers."

Calif., San Andreas—Calaveras Co., A. W. Poe, clk., 100,000 gal. rein.-con. tank and 6,925 ft. riveted slip joint steel pipe, County Hospital, to Hertzig Bros., San Andreas, $10,724. Noted Mar. 25.

B. C., Trail—For 22,900 ft. c.i. pipe, to Evans Coleman & Evans Ltd., foot of Columbia Ave., Vancouver, $15,000.

Que., St. Lamberts—City Council, pumps and pumping equipment to G. Archambanet Ltd., 382 Clarke St., Montreal, $74,941.

Sewers

Proposed Work

Mass., Lexington—Plans sewerage works in Massachusetts Ave. $29,800 appropriated. Private plans.

S. C., Chester—See "Waterworks."

Tenn., Dresden — Making plans new sewerage system. $60,000. Long & Co., Colcord Bldg., Oklahoma City, Okla., engrs.

Mich., Mt. Clemens—Made plans Lawndale sewerage system and Silver St. sewer from 5th St. S., 12,064 ft. 10- to 30-in. pipe, etc.

Mich., Muskegon Heights (Ind. br. Muskegon)—Takes bids about July 1, 5,049 ft. 15- to 42-in. rein.-con., vitr. clay or segmental block sewer in Oakwood Ave. $44,000. G. A. Gamble, City Hall, engr. Noted Apr. 29.

Mich., Muskegon Heights (Ind br. Muskegon)—Takes bids about July 1, 6,844 ft. 24- to 72-in. rein.-con., vitr. clay or segmental block sewer in Terrace St. $114,000. C. A. Gamble, City Hall, engr.

Ill., Chicago—See "Streets and Roads."

Wis., Milwaukee—Metropolitan Sewerage Comn., J. J. Fowles, secy., 508 Market St., soon takes bids 4.5 mi. main sewer tunnel in Grand Ave., etc., Wauwatosa Twp.

Wis., Shullsburg—Making plans sewerage system and septic tank. To exceed $25,000. W. F. Reichardt, 109 Main St., Watertown, engr.

Wis., Wauwatosa—Bd. Pub. Wks., A. V. Brigham, secy., rejected bids Apr. 20, storm sewers in West North Ave., etc. Will readvertise. J. E. Lowther, City Hall, engr. Noted May 13.

Minn., Pipestone—Making plans sewage disposal plant and outlet sewer in various streets. $25,000. W. E. Buell Co., 205 Davidson Bldg., Sioux City, Ia., engr.

Minn., Waverly—Making plans sanitary sewerage system and sewage disposal plant. $35,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engr.

Tex., Dublin — Voted $25,000 bonds, improving sewer, etc. in various streets. Address Mayor.

Tex., Olmito (near Brownsville) — A. Parker Securities Co., Brownsville plans complete sewerage system, here. $125,000.

Okla., Wetumka—Voted $30,000 bonds, south side sewage disposal plant. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted May 13.

Calif., Alhambra — Plans 8- to 12-in. sewers, etc., in portions Hampden Terrace, Meridian and Ross Aves., etc. To exceed $25,000.

Calif., Glendale—Made plans 6 in. vitr. main sewers, and c.i. watermains, etc., in Chevy Chase Dr., Adams St., etc. To exceed $25,000. J. F. Johannsen, city engr.

Calif., Los Angeles—Making plans 9 mi. rein.-con. box from 7 x 11 ft. section 8 to 14 ft. and double 6½ x 12 ft., 17 mi. 24- to 96-in. rein.-con. pipe, east of Los Angeles city limits to Montebello. $3,000,000. F. Bates, Bradbury Bldg., engr.

Ont., Toronto—York Twp. soon takes bids 2,680 ft. 8 in. and up lateral and trunk sewer in Priscilla Ave., Jane and Dundas Sts. $34,768. F. B. Goedike, 40 Jarvis St., engr.

Bids Desired

Mass., Dorchester (Boston P. O.)—June 10, by Dept. Pub. Wks., Boston, sewers in Codman Hill Ave., Walk Hill, Courtland and Codman Sts., here. $25,000. J. H. Sullivan, comr.

Mass., Lynn—July 6, by Comn. Ways & Drainage, at office City Clerk and City Engineer, sewage pumping station and appurtenances. Morris Knowles, Inc., Engineers; adv. E. N.-R. June 3.

N. Y., Syracuse—June 15, at office Syracuse Intercepting Sewer Bd., City Hall, extending Canal Intercepting Sewer. H. J. Hamlin, secy.; adv. E. N.-R. June 3.

Pa., Sharon—June 8, by City, c/o F. S. Williams, clk., sewage disposal plant and pumping station, incl. settling tanks, sludge digestion tanks, sludge drying beds, ejector pit, etc. L. E. Burnside, city engr.

O., Cincinnati—June 8, by Comrs. Hamilton Co., 29,327 ft. 6- to 15-in. vitr. clay sewer, etc. in Sanitary Sewer 11, Dist. 3, (Beechwood and Edgemont Subdivision). $108,205. L. C. Boyatt, Court House, engr. Noted Apr. 15.

Mich., Sibley — June 9, by W. F. Von Moll, village clk., 14,398 ft. 10- to 42-in. vitr. and concrete sewers in various streets. R. A. Murdoch Co., 602 Transportation Bldg., Detroit, engrs.

Wis., Janesville — See "Contracts Awarded."

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THE LARGEST-SELLING MASON'S CEMENT IN THE WORLD

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Sewers (Continued)

Minn., Lesueur Center—June 14, by City, A. A. Tambornino, clk., sewage treatment plant and approximately 21,189 ft. 8- to 12-in. sewers, etc., in various streets. $50,-000. L. P. Wolff, 903 Globe Bldg., St. Paul, consult. engr.

Minn., Rochester—June 7, by City, A. F. Wright, clk., extending sewerage system, incl. 10,850 ft. 8- to 24-in. trunk sewers in various streets. $41,338.

Mo., St. Louis — June 22, by Bd. Pub. Serv., 208 City Hall, Sects. B-2 and C, River Des Peres Project, incl. floodway channel between Southwest Ave. and point 1,000 ft. east of Macklind Ave., 40 ft. bottom and 50 ft. top width, under which sanitary sewer 8 x 5 ft. depth excavated through limestone approximately entire length, also retaining walls, lateral sewers, etc. $1,100,000. W. W. Horner, 300 City Hall, engr. Noted Feb. 18.

Tex., Ft. Worth — D. L. Lewis, city engr., taking bids sewers at Seminary Hill West, $31,000; at North Ft. Worth, $94,-000; and in 8 various streets, $78,000, for City.

Tex., Houston—J. C. McVea, city engr., taking bids sanitary sewers in Ennis St. and Holman Ave., storm sewers in Isabella Ave., for City. $60,000.

Calif., Oceanside—J. H. Landes, city clk. taking bids 1,356 ft. 18 in., 2,080 ft. 16 in., 6,361 ft. 14 in., 4,597 ft. 12 in., 3,692 ft. 10 in., 33,026 ft. 8 in. and 27,132 ft. 6 in. vitr. pipe sewer, etc. R. L. Loucks, city engr. Noted April 15.

Ont., Toronto—See "Contracts Awarded."

Bids Received

N. Y., Brooklyn — J. A. Gulder, pres. Brooklyn Boro, Boro Hall, May 26, from R. Nazarro, Inc., 7101 Metropolitan Ave., sewers in 64th St. $6,184, 72nd St. $3,997, and 12th Ave. $3,265; from S. Guerriero, 124 66th St., East 17th St., $2,095; from Manmill Contg. Co., 2035 Douglass St., Ave. R., $25,540; and from A. W. Matarazzo, 1163 61st St., Linwood St. $2,945. Noted May 20.

Va., Richmond—R. K. Compton, dir. Pub. Wks., May 10, **(e. e. means engineer's estimate)**, 303 ft. rein.-con. precast pipe sewers and connections, etc., in Hamilton St., from J. C. Cheatwood, Vawter and Highland Aves., $10,264 e. .e $14,24; 894 ft. 30 and 45 in. in Decatur St. from H. D. Driscoll, Mutual Bldg., $15,877 e. e. $16,600; 3,232 ft. 30- to 48-in. precast rein.-con. sewer and laterals in Idlewood Ave., south of Cary, Belmont and Carrington Sts., from Hughes & Keegan, Real Estate Exch. Bldg., $32,674 e. e. $44,211; 6,824 ft. precast rein.-con. sewers, laterals and connections west of Belt line, portion of New Kent Rd., Reveille St. and Davis Rd., from W. J. McLane, 2402 Edgehill Rd., $175,859 e. e. $242,249; 998 ft. 60 in. two piece segmental block sewer and connections in Tobacco St., and 1,401 ft. in Riverview System, from A. G. Rolfe, 1009 Brook Rd., $15,438 and $16,650 respectively, e. e. $19,268 and $25,-742 respectively. Noted Apr. 29.

Fla., Miami—City Comrs., 6,171 lin.ft. concrete and 1,399 lin.ft. vitr. sewers in Sewer Impvt. Dist. 192, from J. J. Quinn Co., O'Reilly Ave., Miramar, $164,824. Noted May 6.

O., Cleveland—Bd. Comrs. Cuyahoga Co., 8,300 ft. 8- to 54-in. sewer in Broadview and Brookpark Rds., Impvt. 75A, from Hanna & Michael Constr. Co., Huron-6th Bldg., brick $105,490, and rein.-con. $95,-876. Noted May 13.

Mich., Detroit—Dept. Pub. Wks., 4,207 ft. concrete sewer in Jefferson Ave. and in city property from Jefferson Ave. to Detroit River, from Nash Bros., 10 South La Salle St., Chicago, Ill., $306,918. Noted May 13.

Mich., Muskegon — E. R. Cockerill, supt. Muskegon Co. Drains, Ruddiman Creek Drain, 3,342 ft. 18- to 24-in. vitr. clay and 2,044 ft. 96 in. monolithic concrete pipe, from Wolverine Eng. Co., Mason, $99,684. Engrs. est. $120,000. Noted Apr. 29.

Minn., St. Paul—A. E. Eggert, city purch. agt., constructing Trout Brook sewerage System, Contr. B, from Thornton Bros. Co., 318 Endicott Bldg., $238,887. Engrs. est. $250,000. Noted May 13.

Calif., San Fernando—City council, 54,-807 ft. 8- to 16-in. concrete sewers, etc. in North Brand Blvd., from Bebeck & Brkich, 425 West 78th St., Los Angeles, $72,865.

Contracts Awarded

Mass., North Andover (Ind. br. Lawrence)—R. H. Ellis, engr., City Hall, sewerage works in various streets, to A. Daddario, River St., Hyde Park, for Town. Engrs. est. $25,000. Noted May 13.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, sanitary sewer in Van Name Ave. from Heusden St. to sewer easement 1,935 ft. southerly therefrom, to G. Orrico, 500 Britton Ave., Concord, 90% engrs. est. $7,344. Noted May 13.

Fla., Miami Beach — City Council, concrete sewers, Contr. 23-SR, to J. B. McCrary, Citizens & Savings Bank Bldg., Atlanta, Ga., $139,877; also Contr. 24-SR, to J. L. Kelley, Miami, $42,600. Noted Apr. 22.

O., Cleveland—Brick sewer in West 130th St., to N. Carroccio, 14109 Benwood Ave., $135,487. Noted Apr. 22.

O., Cleveland—Cuyahoga Co., 1,875 ft. 5 ft. segmental block sewer in Ridge Rd., to Winterbottom-Connelly Co., 1400 West 25th St., $60,103; 610 ft. 5 ft. 6 in. circular E. sewer in Bader Ave., to Gallagher & Burke Constr. Co., Rockefeller Bldg., $21,044; and 1,296 ft. 5 x 7 ft. and 160 ft. 5 x 8 ft. rein.-con. sewer in Giddings Brook, to A. Joseph, 877 Orange Ave. Noted May 20.

O., Cleveland—Bd. Comrs. Cuyahoga Co., 6,000 ft. 8- to 36-in. brick sewer in Broadview and Brookpark Rd., Impvt. 75B, to Langenhan Constr. Co., Marshall Bldg., $65,417. Noted May 13.

Mich., Detroit — Dept. Pub. Wks., to Ocasero Constr. Co., 1548 Penobscot Bldg., 12,197 lin.ft. vitr. crock sewer in Lateral 4579 $32,256, 13,463 ft. in Lateral 4580 $39,269, and 13,548 ft. in Lateral 4581 $39,-278. Grand total $110,803.

Mich., Royal Oak (Ind. br. Detroit)—R. H. Whitney, city mgr., 7,975 ft. 10- to 48-in. vitr. and concrete sewer in Sewer 13, to Hammen & Co., 4612 Woodward Ave., Detroit, $62,418; and 6,720 lin.ft. 12- to 42-in. Sewer 15, to DePonio & DiCicco, 521 East State Fair Ave., Detroit, $53,290. Noted May 6.

Ill., Bloomington—Bd. Trustees Bloomington & Normal Dists., sewage treatment plant, appurtenances, etc., to J. L. Simmons Co., Bloomington, $596,311. Noted Apr. 8.

Ill., Libertyville — Bd. Local Impvts., 8,800 ft. 12- to 24-in. sewers, 446 ft. depth manholes, 28 manhole frames and covers, settling tank, sludge bed, pumping unit, clarifier, etc., to P. Frandzen, Kenosha, Wis., $80,000. Noted May 13.

Wis., Janesville—H. Traxler, city mgr., will lay 10,340 ft. 30- to 48-in. storm, and 12,438 ft. 10- to 18-in. concrete or vitr. storm sewers, etc., in various streets, by day labor. C. V. Kerch, City Hall, engr. Noted May 13.

Wis., Kohler—W. Nesemann, village clk., sewers in various streets, to R. J. Wilson Co., 107 West College St., Appleton, $35,-270. Noted May 13.

Wis., Racine—J. F. Kovar, Route 1, concrete, sewer in North Racine St., Caledonia Twp., to P. J. Gavahan, 2003 North St. Clair St., $29,919.

Calif., Glendale — Vitr. sewers and c.i. watermains in Palmer, Cypress, Magnolia Aves., etc., to J. C. Hickey, 330 South Palm Ave., Alhambra, $87,667. Noted May 27.

Ont., Toronto—East York Twp. will construct 8 in. vitr. tile lateral and service sewers in Sammon, Donlands, Lumsden, Virginia and Gledhill Aves., by day labor. $26,000. G. R. Jack, 443 Sammon Ave., engr. Noted May 20.

Waste Disposal

Proposed Work

Ont., Windsor — City Council plans incinerator for city and border municipalities. B. Brian, City Hall, engr.

Bids Desired

Pa., Woodlawn—June 21, by F. E. Patterson, boro secy., garbage incinerator; adv. E. N.-R. June 3.

Ky., Louisville — June 25, at office Bd. Pub. Wks., incinerator. F. Moss, secy.; adv. E. N.-R. June 3.

Ind., Peru—June 8, by H. L. Baltimore, city clk., two unit garbage and refuse incinerator, 15 ton daily capacity.

Bids Received

Pa., Phila. — Dept. Pub. Wks., Bureau Street Cleaning, May 27, 200 ton per day incinerator complete, 51st and Greys Ave., from Chain Grate Incinerator Co., Inc., 1942 Forbes St., Pittsburgh, $395,000.

Bridges

Proposed Work

Del., Wilmington — State Hy. Dept., Dover, making plans South Market St. South Bridge, steel bascule span 200 ft. long over Christiana River, here. $400,000. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., engrs.

Virginia—See "Streets and Roads."

Mich., Grosse Pointe Park (br. Detroit)—Plans two 57 ft. rein.-con. bridges at Fox Creek, Whittier and Audubon Aves. C. H. Marden, 502 Garrick Theatre Bldg., Detroit, engr.

Ill., Chicago—Bd. Pub. Wks., Room 406, City Hall, A. A. Sprague, comr., soon takes bids electrical equipment for double leaf trunnion bascule bridge over Calumet River, at 100th St. $75,000.

Tex., Anderson—See "Streets and Roads."

Tex., Clarksville — See "Streets and Roads."

Tex., Crockett—See "Streets and Roads."

Tex., Franklin—See "Streets and Roads."

Tex., La Grange — See "Streets and Roads."

Tex., Sweetwater — See "Streets and Roads."

Quebec — Dept. Pub. Wks., Parliament Bldgs., Quebec, plans 2,644 ft. bridge, between Chicoutimi and St. Anne. $1,000,000. I. E. Vallee, Parliament Bldgs., Quebec, engr.

Bids Desired

Massachusetts — June 8, by Dept. Pub. Wks., Boston, concrete bridge and approaches on section highway in Middleborough. $25,000. W. F. Williams, comr.

Mass., Boston—June 8, by Dept. Pub. Wks., repairing Congress St. Bridge, steel and granite block pavement. $25,000. J. H. Sullivan, comr. Noted Dec. 17.

Mass., Conway—June 8, by Dept. Pub. Wks., Boston, 2 concrete bridges with bituminous macadam approaches, here. To exceed $25,000. W. F. Williams, comr.

New Jersey — June 21, by State Hy. Comn., Trenton, bridge over Cooper River, on Camden Connecting Road-South, Camden; and removing old highway bridge over Raritan River between Perth Amboy and South Amboy, Middlesex Co. A. L. Grover, secy.; adv. E. N.-R. June 3.

Va., Roanoke—June 25, by W. P. Hunter, city mgr., Municipal Bldg., rein.-con. arch bridge over Virginian R.R. tracks at Jefferson and Walnut Sts. B. H. Davis, Whitehall Bldg., New York City, consult. engr.; adv. E. N.-R. June 3.

North Carolina—June 9, by W. B. Ellis, chn. Road Comn. Mitchell Co., Bakersville, and W. M. English, chn. Bd. Comrs. Yancy Co., Burnsville, 240 ft. rein.-con. or structural steel bridge over Toe River. Cost to be borne by both counties.

S. C., Conway—June 16, at office Little Pee Dee Bridge Bd., bridges and approaches on Little Pee Dee River, at Potato Bed Ferry. Johnson & Roberts, Marion, engrs.; adv. E. N.-R. June 3.

Florida—See "Streets and Roads."

Kentucky—June 21, by State Hy. Dept., Frankfort, 275 steel and five 50 ft. rein.-con. girder span bridge over Kentucky River State Aid Project 123-A, at Camp Nelson, on Garrand and Jassamine Counties; also one 69 ft. and two 30 ft. span rein.-con. girder overpass over Louisville & Nashville R.R. tracks, on State Aid Project 29-D, near St. Helens, Lee Co. E. N. Todd, highway engr.

O., Cincinnati — June 18, by Comrs. Hamilton Co., Court House, two span 90 ft. concrete slab bridge, on Winton Rd. E. A. Gast, Court House, engr.

Ind., Anderson—June 7, by Comrs. Madison Co., Court House, 3 span 200 ft. steel and concrete bridge, on Perkinsville Pike. $100,000. M. A. Steele, Court House, engr. Former bids rejected. Noted Apr. 8.

Mich., Saginaw — June 11, by Saginaw Co. Rd. Comn., Bridge 731301, five 65 ft. spans, etc. R. W. Roberts, Lansing, engr.

Mich., Standish—June 18, by Arenac Co., Bridge 061101, 90 ft. span rein.-con. girder. G. H. Green, Alpena, engr.

Washington—See "Streets and Roads."

Bids Received

New Hampshire — See "Streets and Roads."

New York—T. F. Farrell, comr. Canals & Waterways, Albany **(e. e. means engineers estimate)**, bridge across Glens Falls Feeder Canal, Glen St., Glens Falls, Contr. M-19, from J. J. Fredella Co., Inc., Glens Falls, $25,588 e.e. $29,700; and bridge at Pearl St., Hudson Falls, Contr. M-20, from J. W. Holler, Inc., Fort Edward, $29,845 e.e. $36,856. Noted May 13.

O., Akron—Comrs. Summit Co., May 19, 143½ ft. steel truss bridge, on Cuyahoga St., from Humphrey & Bennage, Macedonia, $49,385. Engrs. est. $62,000. Noted Apr. 29.

Minn., Minneapolis — F. S. Gram, city purch. agt., City Hall, May 19, five 93 ft. and two 265 ft. rein.-con. spans, etc. over Mississippi River, at Cedar Ave., from N. W. Elsberg, city engr. (day labor basis) rock $891,000; and gravel $870,000. Noted Apr. 8.

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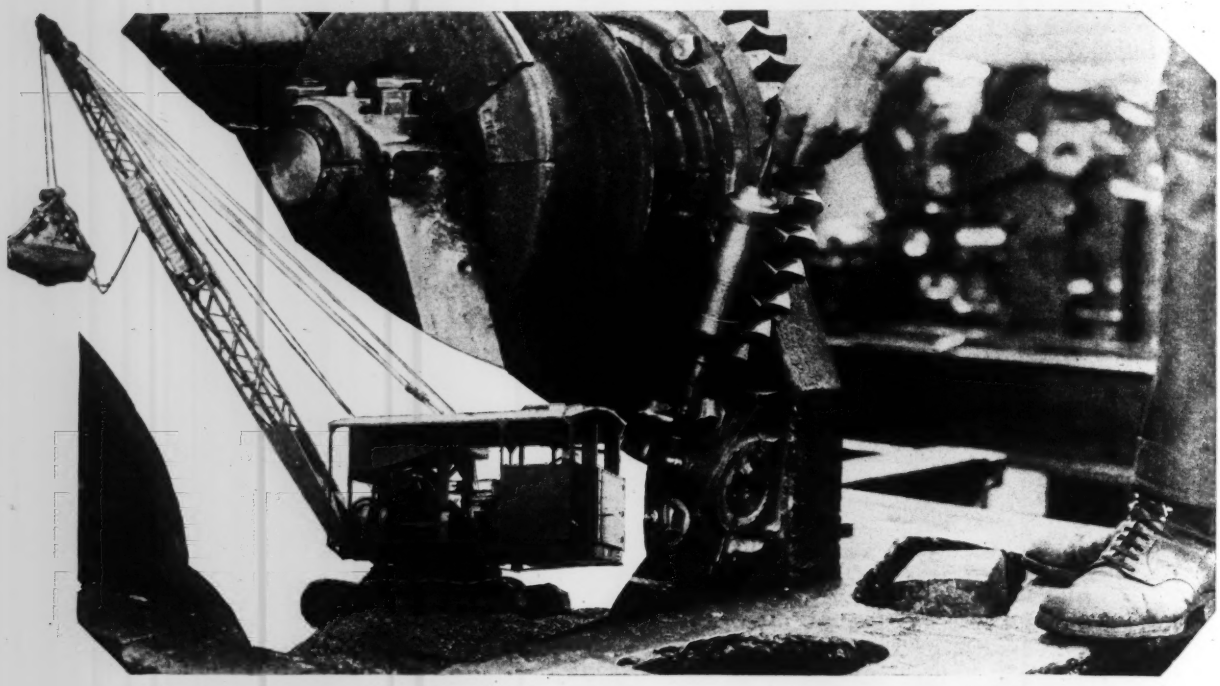

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Bridges (Continued)

Texas—See "Streets and Roads."

Tex., Groveton—See "Streets and Roads."

Calif., Los Angeles — Bd. Supervs. Los Angeles Co., May 10, replacing old bridge with 40 ft. concrete span bridge, over Rubio Wash, on Pomona Blvd., from O. G. Bowen, 1144 South Grand Ave., $19,700; also timber truss bridge over San Gabriel River, at El Monte Ave., from E. G. Perham, 1144 South Grand Ave., $55,200. Noted Apr. 29.

Contracts Awarded

Vt., Brattleboro—State Hy. Dept., Montpelier, 325 ft. span, concrete and steel bridge and approaches, here, to G. H. Stebbins, North Adams, Mass., $129,628. Noted Apr. 22.

Mass., Somerville (Boston P. O.) — Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, 1 span concrete bridge and retaining walls, near Medford St., here, to Coleman Bros., 245 State St., Boston, $204,610. Noted May 6.

New York—T. F. Farrell, comr. Canals & Waterways, Albany, (**e. e. means engineer's estimate**), bridge across Glens Falls Feeder Canal, Glen St., Glens Falls, Contr. M-19, to J. J. Fredella Co., Inc., Glens Falls, $25,588 e. e. $29,700; and bridge at Pearl St., Hudson Falls, Contr. M-20, to J. W. Holler, Inc., Fort Edward, $29,845 e. e. $36,856. Noted May 13.

N. Y., Poughkeepsie—F. S. Greene, supt. Pub. Wks., Albany, 2 main river piers for Mid-Hudson Bridge, here, Contr. 3, to Blakeslee & Rowlins Corp., 6 Beacon St., Boston, Mass., $1,899,925. Noted May 27.

Fla., Tampa — City Comn., single leaf overhead counter weight type of Strauss trunnion bascule bridge over Hillsborough River, at Fortune St., to U. G. I. Contg. Co., Broad and Arch Sts., Phila., Pa., $401,343. Noted Feb. 25. This corrects report in May 20 issue.

O., Akron — Comrs. Summit Co., one 40 ft. span rein.-con. and steel bridge, on New Portage-Uniontown Rd., to N. R. Porterfield, Inc., $15,475, engrs. est. $18,000; and two 57 ft. span flat slab rein.-con. bridge, on Brittain Rd., to H. Squires & Co., Norwood Ave., Barberton, 11,430, engrs. est. $15,300. Noted Apr. 29.

Mich., Detroit — Dept. Pub. Wks., City Hall, 70 ft. steel encased concrete bridge on concrete abutments over Michigan Central Ry. tracks, at West Lafayette Ave., to W. H. Mueller, 210 Park Ave., $57,105. Noted May 20.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, nineteen 20 ft. span concrete slab bridge, one 160 ft. span concrete substructure incl. temporary road and bridge, on Route 24, Sect. 14-B, Sangamon Co., to Hurden Constr. Co., Springfield, $32,306; 112 ft. span steel overhead crossing on Route 2, Sect. 11-B, Union Co., 151,890 lb. reinforcing, etc., to V. L. Peters, Homer, $26,014; 160 ft. span steel superstructure on Route 24, Sect. 14-C, Sangamon Co., 179,060 lb. reinforcing, etc., to Illinois Steel Bridge Co., Jacksonville, $11,630. Grand total $69,950. Noted Apr. 15 and 29 and May 15.

Ill., Chicago—City, Room 406, City Hall, operators' houses and enclosure walls for double leaf trunnion bascule bridge over South Branch Chicago River, at West Adams St., to R. H. Simpson Co., 130 West Austin Ave., $82,400.

Ia., Anamosa—Jones Co., 1 high truss bridge with six 32 ft. I-beam approach spans, to Minneapolis Bridge Co., Metropolitan Life Bldg., Minneapolis, Minn., $26,916. Noted Apr. 22.

Ia., Cedar Rapids—Linn Co., bridges on Marion, Fairfax and Palo Rds., to P. Jayhe, 2201 Mount Vernon Ave., $55,928; on Center Point-Benton Co. line Rd., to A. Melberg, Cedar Rapids, $19,450; on Primary Road 13, to Snyder & Johnson, Humboldt, $11,998; on Central City-Coggon Rd., Primary Project 14, to A. P. Munson, Marion, 12,809; on County Road 15, to G. H. Lowe, Slayton, Minn., $11,258; and on Primary Rd. 13, south of Prairie Creek, to Lundgren-Reis Co., 65 College Ave., Des Moines, $22,400. Grand total $133,842. Noted Apr. 8.

Ia., Cherokee—Cherokee Co., 10 I-beam bridges, to Graves Bros., Melvin, $19,400; 19 culverts, to H. Noel, Peterson, $7,583, and 32 culverts, to Moville Constr. Co., Moville, $12,886. Grand total $39,869.

Ia., Marengo—Iowa Co., high truss bridge on Federal Aid Project 244, to A. Olson Constr. Co., Waterloo, $14,640; and pony truss bridge on same project, to M. O. Burnett, Marengo, $28,410.

Ia., Sibley—See "Streets and Roads."

Ia., Toledo—Tama Co., 1 I-beam and 1 pony truss bridge on Federal Aid Project 257, to W. A. Burton, Waterloo, $15,800; 25 culverts and extensions, to Ward & Teslow, Decorah, $10,256. Noted Apr. 22.

Ia., Webster City — Hamilton Co., 2 I-beam bridges, to W. J. Zitterell Co., Webster City, $5,924; 12 culverts, to A. J. Carpenter & Co., Woolstock, $9,640; 3 I-beam and 1 slab bridges, to A. Swanson, Webster City, $13,557. Grand total $29,121.

Kan., Russell—See "Streets and Roads."

Wyoming—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, to G. W. Condon Co., Omaha, Neb., six 4 ft. rein.-con. slab spans, etc. over stream, Carroll Co., $1,963; to Cameron Joyce-Smith Elder Co., Keokuk, Ia., two 12 ft. rein.-con. slab spans, etc. over Lawn Branch, Pike Co., $2,603; to Stonner & Deering, Chamois, sixteen 20 ft. rein.-con. slab spans, etc. over Bourbeuse overflow, Franklin Co., $25,555; to Chaney & Amyx, Licking, four 22 ft. rein.-con. slab spans, etc. over Frederick Creek, Oregon Co., $5,062; to V. E. Koch, Joplin, six 20 ft. rein.-con. slab, and 45 ft. rein.-con. deck girder spans, etc. over Coon Creek, Jasper Co., $10,913; to M. Haase, St. Joseph, two 10 ft. rein.-con. slab spans, etc. over Peavine Creek, $4,866, and 30 ft. rein.-con. deck girder span, etc. over Wild Cat Creek, $5,795, both Carroll Co.; to Cook-O'Brien Constr. Co., Kansas City, three 24 ft. rein.-con. slab spans, etc. over Cedar Creek $4,647, three 35 ft. rein.-con. deck girder spans, etc. over Reeds Branch $7,285, both in Pettis Co.; to W. A. Ross Constr. Co., Kansas City, two 12 ft. rein.-con. slab spans, etc. over Spring Creek $3,369, two 20 ft. rein.-con. slab and one 35 ft. rein.-con. deck girder spans, etc. over Dry Branch $7,212, one 45 ft. and two 30 ft. rein.-con. deck girder spans, etc. over McCoy Creek $8,795, all in St. Charles Co.; to Hurtin & Sayer, St. Louis, two 30 ft. rein.-con. deck girder and three 80 ft. steel truss spans, etc. over Big Creek, Lincoln Co., $30,699; to Vincennes Bridge Co., Vincennes, Ind., 20 ft. and 40 ft. I-beam, two 60 ft., three 80 ft. and two 240 ft. steel truss spans, etc. over Gasconade River Maries Co. $85,589; to Kock & McGlone, Calhoun, two 5 ft. rein.-con. slab spans, etc. over stream $631, two 8 ft. concrete slab spans over stream $1,415, two 10 ft. rein.-con. slab spans over creek $2,585, four 10 ft. rein.-con. slab spans over stream $4,043, two 10 ft. rein.-con. slab spans, etc. over Muddy Creek $2,216, three 35 ft. rein.-con. deck girder spans, etc. over Lenesce Creek $7,379, three 20 ft. I-beam spans, etc. over Grand River over flow $3,534, two 30 ft. I-beam and one 100 ft. steel truss spans, etc. over Grand River D. D. $15,316 all foregoing in Cass Co.; and to Tyner Constr. Co., Kansas City, 80 ft. rein.-con. arch span, etc. over Muddy Creek, $12,723, and two 8 ft. rein.-con. slab spans, etc. over creek $2,402, both Bates Co., two 12 ft. rein.-con. slab spans, etc. on Sta. 318 plus 50, $2,626, and two 12 ft. rein.-con. slab spans, etc. on Sta. 331 plus 10 $2,618, both Jackson Co., three 14 ft. rein.-con. slab spans, etc. over creek, Bates Co. $3,898, three 24 ft. rein.-con. slab spans, etc. over Willow Branch, Vernon Co. $5,447, 40 ft. rein.-con. deck girder span, etc. on Sta. 370 plus 58 $2,593, 45 ft. rein.-con. deck girder span, etc. on Sta. 419 plus 90, $4,532, and 24 ft. arch culvert, on Sta. 471 plus 80 $3,167, all Jackson Co. Grand total $281,478. Noted Apr. 29.

Tex., Cameron—State Hy. Comn., Austin, bridges on Highway 43, Federal Aid Project 494-A, Milan Co., to Davis-Pace Co., 1306½ Young St., Dallas, $71,000. Noted May 13, under "Streets and Roads."

Tex., Decatur—See "Streets and Roads."

Idaho—State Hy. Dept., Boise, bridge over Snake River between Baker, Oregon and Adams Counties, to Portland Bridge Co., Portland, Ore., $66,360; and 32 ft. concrete and 90 ft. steel span bridge with approaches on Roosevelt Highway, Federal Aid Project 120-A, Goading Co., to D. J. Cavanagh, Twin Falls, $16,299.

Dams

Proposed Work

Va., Luray — Page Power Co., M. E. Rondabush, Luray, pres., plans dam and enlarging plant. To exceed $150,000.

Contracts Awarded

Que., Grandmere—Quebec Streams Comn., 59 Notre Dame St. E., Montreal, concrete dam 30 mi. north of here, Champlain Co., to Shawinigan Eng. Co., 103 Cascades, Shawinigan Falls. Engrs. est. $506,000.

Railways

Proposed Work

Minnesota—Duluth Street Ry. Co., 2631 West Superior St., Duluth, made plans 7,000 ft. double and 3,500 ft. single track, 90 lb. rails equipped with metal trolley poles, etc., on 45th Ave. east and Superior St. between Wyoming St. and 62nd Ave. E., in Duluth. $82,000. J. Carson, c/o owner, engr.

Nebraska—Union Pacific R.R. Co., 1416 Dodge St., Omaha, R. L. Huntley, ch. engr., making plans 8 mi. Lyman branch, and 10 mi. Gering branch, Scotts Bluff Co. $236,619 and $272,553 respectively. This corrects report in May 20 issue.

Washington—Columbia & Cowlitz R.R. Co. plans approximately 6 mi. extension in Cowlitz Co.

Quebec—Canadian Pacific Ry., Windsor Sta., Montreal, plans 6 mi. railway line between Maniwaki and Chelsea. W. W. Benny, Central Sta., Ottawa, Ont., engr.

Ontario — M. Vaughan, Welland, plans new electric railway, in Welland. $250,000.

Bids Desired

Pennsylvania—June 10, by A. C. Shand, ch. engr. Pennsylvania R.R. Co., Broad St. Sta., Phila., constructing concrete viaduct, piers, abutments, laying track, surfacing along line Delaware River extension of above railroad, 25th St. between Ellsworth St. and Passyank Ave., Contr. 18.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Tex., Dallas—City and Dallas Co. Levee Dist., R. S. Quillen, County Court, plans straightening Trinity River Channel, constructing levees on both sides, raising level of land back of levees and building bridges for railroads, street cars and motor traffic. $6,000,000. Myers & Noyes, Mercantile Bank Bldg., engrs.

Tex., El Jardin—Election soon $1,000,000 bonds, drainage and irrigation work, for Cameron Co. Water Impvt. Dist. 5, c/o C. L. Hunter, mgr. C. P. Williams, El Jardin, consult. engr. Noted Jan. 14.

Calif., Ramona—Ramona Irrigation Dist. voted $91,000 bonds, 7 mi. riveted steel pipe line, dipped and wrapped; pumping plants and reservoirs. T. K. King, 920 8th St., San Diego, engr. Noted Dec. 31.

Bids Desired

Fla., West Palm Beach—June 21, by Bd. Comrs. Lake Worth Inlet Dist., 208 Fern St., 65,000 tons stone for extending Lake Worth Inlet Jetties; adv. E. N.-R. June 3.

Bids Received

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., May 24, slips and bulkhead in Outer Harbor, just off foot South Michigan Ave., from Monarch Eng. Co., Chamber of Commerce Bldg., $989,000. Noted Apr. 22.

New Jersey — Bd. Commerce & Navigation, State House, Trenton, May 27, dredging Inland Waterway Channel frmo Atlantic City through Great Bay to Grassy Channel, near New Inlet, Atlantic Co., from Delaware Dredging Co., 30 South 3rd St., Phila., Pa., Proposition 1, at $0.238 per cu.yd., and Proposition 2 $0.238 per cu.yd. Noted May 13.

Mo., New Madrid — Morgan Eng. Co., Court House, May 12, approximately 2,715,000 cu.yd. excav., etc., from Ditches 2, 3 and 4, for D. D. 38, New Madrid Co., from Fred M. Crane Co., 210 South 24th St., Omaha, Neb., at $0.0715 per cu.yd. Noted Apr. 29.

Contracts Awarded

Ill., Sycamore—Comrs. Coon Creek D. D., De Kalb Co., cleaning open ditch, 15,000 cu.yd. excav., etc., to W. F. Sternberger, Piper City, Ill., at $0.30 per cu.yd. Noted Apr. 22.

Tex., Beaumont—Jefferson Co. D. D. 6, drainage work, incl. lateral ditches, to Martin Bros., Vidor, $46,517. Noted Apr. 29.

Tex., Brownsville — Cameron Co., constructing (1st unit) flood control works embracing levees along Rio Grande River above here, to J. Ballinger, San Benito,

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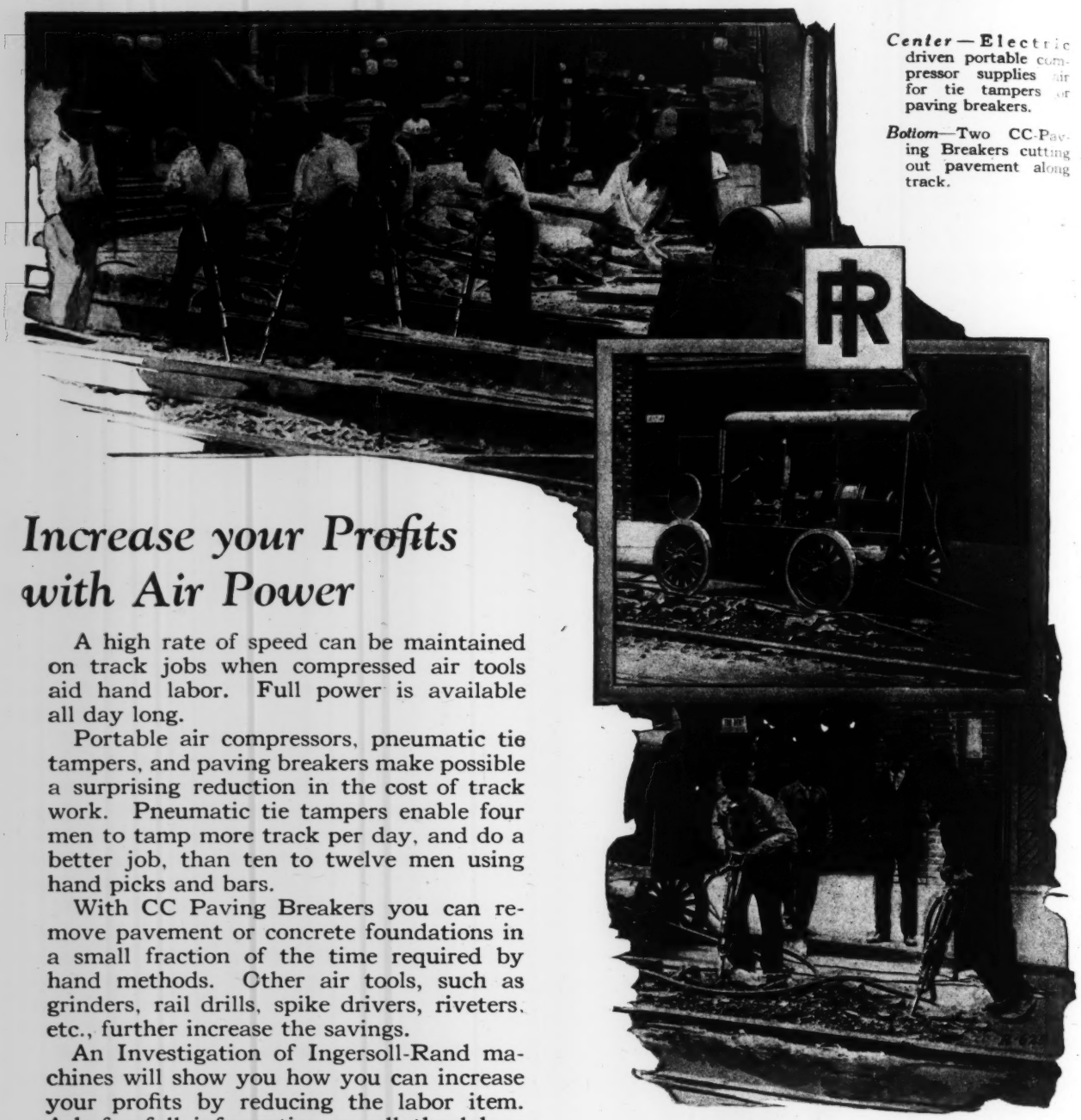

Center—Electric driven portable compressor supplies air for tie tampers or paving breakers.

Bottom—Two CC-Paving Breakers cutting out pavement along track.

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Excavation, Drainage, Irrigation, Levees, River and Harbor (Cont.)

and Callahan, Crawford & Robertson, McAllen, $186,000. Noted May 6.

Tex., **Olmito** (near Brownsville) — A. Parker Securities Co., Brownsville, dredging Lake Tepeguaje (an artificial lake) in Olmito tract at new town site of Olmito now being developed, to J. Ballinger, San Benito, approximately $20,000.

British Columbia—Dept. Pub. Wks., Ottawa, Ont., dredging at False Creek, here, to Northwestern Dredging Co., 510 Hastings St. W., Vancouver, $40,000. Noted Mar. 11.

Streets and Roads

Proposed Work

Mass., Medford (br. Boston) — Plans constructing and extending 10 new streets. $90,000 appropriated. Private plans.

Mass., Revere (br. Boston)—Voted $55,000 bonds, permanent paving Malden St. Private plans.

Conn., South Manchester—Plans paving Main St. from Adams to Center Sts. $80,000 appropriated.

N. Y., Albany—Bd. Contr. & Supply, City Hall rejected bids May 17, improving Hunter, Washington and Belvidere Aves., etc., here.

New Jersey—Hunterdon Co. (Flemington) plans penetration macadam paving 4 mi. road from Flemington to Sergeantsville. $70,000. G. Davis, White House Station, engr.

N. J., Mt. Holley—Burlington Co. plans asphalt or penetration macadam paving 2 mi. Stevens Station Rd. $82,500 or $71,700.

N. J., New Brunswick — Middlesex Co. plans asphalt paving 1 mi. Ferry St., in South River, and 1 mi. Carteret-Wood Bridge Rd. W. F. Buchanan, Perth Amboy, engr.

N. J., Trenton—City Comn. plans paving Hanford, Dayton, Willow, Olden and Princeton Sts. $104,000. J. E. English, Trenton, engr.

Pa., Glassport—Takes bids about July 1, brick paving, etc. 7,800 sq.yd. various streets. R. C. Boyne, boro engr.

Pa., West Hazleton — Takes bids about June 18, various types paving 10,000 sq.yd. various streets.

Virginia — State Hy. Comn., Richmond, plans improving streets, roads, bridges, etc., on Route 105, Project 337 $12,000, Route 11, Project 177 $9,000, Route 12, Project 410 $40,000, Route 115, Project 245 $39,000, Route 12, Project 410 $45,000, Route 12, Project 437 $8,000, Route 102 and 10, Project 428 $3,000, Route 114, Project 217 $39,220, and Route 11, Project 195 $25,280, all foregoing in Bristol Dist.; Route 10, Project 143-B $30,000, Route 14, Project 309 $40,000, Route 12, Project 123-B $16,000, Route 15, Project 405 $20,000, Route 33 $90,000, Route 10, Projects 432 and 433 $9,525, and Route 10, Project 132 $40,000, all in Salem Dist.; Route 14, Project 259 $75,000, Route 14, Project 134 $41,232, Route 18, Project 278 $75,000, and Route 10, Project 162 $28,568, all in Lynchburg Dist.; Route 37, Project 377 $40,000, Route 21, Project 421 $120,000, Route 17, Projects 388 and 391 $41,000, and Route 14, Project 375 $23,000, all in Staunton Dist.; Route 32, Project 184 $48,100, and Route 21, Project 371 $150,000, both in Culpeper Dist.; Route 13, Project 419 $92,000, and Routes 30 and 38 $36,450, both in Fredericksburg Dist.; Route 10 $40,000, Route 324 $65,000, and Route 35, Project 145 $151,550, in Richmond Dist.; Route 121, Project 246-B $35,000, Route 40, Project 326 $40,000, Route 35, Project 145-H and J $109,000, Route 34, Project 181 $33,075, and Route 34, Project 280 $40,000, all in Suffolk Dist. H. G. Shirley, chn.

Fla., Tampa — Hillsborough Co., election June 22, asphalt composition on 6 in. lime rock paving Road 1 from John T. Gunn Highway, from Citrus Park, $80,000; Road 2 from John T. Gunn Highway westerly, $55,000; Road 3, $85,000 and Road 4 beginning at John T. Gunn Highway east and west.

Fla., West Palm Beach—Soon takes bids paving approximately 800,000 sq.yd. various streets. T. B. Henry, city engr.

Miss., Laurel—Jones Co. plans election soon $300,000 bonds, improving roads.

La., New Orleans—Comn. Council, plans paving South Claiborne, Mistletoe, Canal, Poydras, Franklin, South Prieur, and Alvar Sts., etc., to exceed $1,000,000; also temporary surfacing various streets, $118,000. B. Vallas, city engr.

Ky., Morganfield — Union Co. election June 12, $300,000 bonds improving various roads.

O., Akron—W. F. Peters, dir. Pub. Serv., soon takes bids grading, curbing, walks and vitr. brick paving 3,940 sq.yd. Schumacher St. $26,700, and 2,030 sq.yd. Mercer Ave. $19,600; also grading, walks and cindering 900 cu.yd. Parkview et al, $9,100. E. A. Kemmler, Municipal Bldg., engr.

O., Canton—Bd. Control soon takes bids asphalt paving Rowland Ave. N. E. from 12th to 17th Sts. N. E. $50,000. W. E. Sarver, City Hall, engr.

O., Euclid—Made plans paving, etc. East 216th St. $25,000. F. A. Thomas, Town Hall, engr.

Mich., Atlanta—Montmorency Co. takes bids about June 16, graveling 2.828 mi. Federal Aid 199, Sect. A. G. H. Green, Alpena, engr.

Mich., Bessemer—Gogebic Co. takes bids about June 15, grading 17.5 mi. Federal Aid Project 163. A. M. Hopperstead, Crystal Falls, engr.

Mich., Crystal Falls—Iron Co. takes bids about July 20, concrete paving 5 mi. Federal Aid 162. A. M. Hopperstead, Crystal Falls, engr.

Mich., Escanaba — Delta Co. takes bids about July 15, grading 5 mi. Federal Aid 160. R. R. Martin, Newberry, engr.

Mich., Grosse Pointe Park (br. Detroit) —Voted $50,000 bonds, sheet asphalt resurfacing 20,000 sq.yd. various streets. C. H. Marden, 502 Garrick Theatre Bldg., Detroit, engr.

Mich., Iron Mountain — Dickinson Co. takes bids about July 12, graveling 5 mi. Federal Aid 106; 18 ft. A. M. Hopperstead, Crystal Falls, engr.

Mich., Marquette—Marquette Co. takes bids about July 10, concrete paving 6 mi. Federal Aid 174. R. R. Martin, Newberry, engr.

Mich., Stanton—Montcalm Co. takes bids about June 15, concrete paving 6.353 mi. Federal Aid 132, Sect. A. H. C. Fleming, Grand Rapids, engr.

Ill., Chicago—Made plans and soon takes bids grading, sidewalks and asphalt on concrete paving also electric lighting system, using concrete posts, etc., on 2.5 mi. Loomis St., 42 ft., $610,000; asphalt surfacing 30,000 sq.yd. South Parkway, $67,500. L. White, 57th St. and Cottage Grove Ave. engr.

Ill., Grays Lake — Making plans and takes bids in July or August concrete paving various streets. $50,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Ill., Lemont — Plans concrete paving various streets. $80,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Ill., Riverside—Making plans and takes bids in July or August paving, waterworks and sewers in various streets. $100,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Wis., Waukesha—Making plans concrete paving, etc., 26,000 sq.yd. Bway., Dunbar, Fairview, Franklin, Hamilton, Marshall and Central Sts. A. R. Schuh, City Hall, engr.

Kan., Girard—Crawford Co. plans grading and chat surfacing, etc., 3.513 mi. Federal Aid Project 347-A.

Mo., Farmington — Making surveys and takes bids about July 1, grading, curbing and concrete paving 10,000 sq.yd. various streets. $25,000. Haskins & Crawford, 824 Finance Bldg., Kansas City, engrs.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, making preliminary plans vitr. brick repaving, etc., Hebert St. between Glasgow and Grand Sts., $9,800; grading Rosalie St. between Marcus and Kingshighway Sts., $12,700; brick or asphaltic concrete paving, etc., Farlin St. between Camelia St. and alley in City Block 4411-B, $2,350-$2,800; rein.-con., vitr. brick, or shallow granite block paving Penrose St. between Kingshighway Memorial Blvd. and Geraldine St., $18,400-$26,800; rein.-con., amiesite, asphalt, Warrenite or asphaltic concrete paving, etc., Queens Ave. between Thelka and Kingshighway N. W., $25,700-$27,800, Hamburg St. between Gravois and Hildersheim Aves. $26,100-$28,600, and Moellenhoff St. between Loughborough and Upton Sts. $19,000-$20,500; asphalt, Warrenite or amiesite paving, etc., Lynch St. between Bway. and 13th St. $34,600-$35,000, Dodier St. between Spring and Prairie Sts. $13,100-$13,200, and Lambdin St. between Ashland and Natural Bridge Sts. $14,900-$15,000; asphalt, Warrenite, amiesite or asphaltic concrete paving, etc., Berthold St. between Lindell Estate and Clayton Ave. $15,300-$16,200, Durant St. between Kingshighway N. W. and Thelka St. $29,300-$31,600, Genevieve St. between Prange St. and Kingshighway N. W. $17,020-$18,400, Grace St. between Delore and Bates Sts. $31,400-$33,700, Murdoch St. between Macklind and Wherry Aves. $8,350-$9,000, and Pennsylvania Ave. between Eichelberger and Fassen Sts. $14,400-$15,400. W. W. Horner, 300 City Hall, engr.

Tex., Anderson — Grimes Co. takes bids after June 7, grading and bridging 9 mi. Highway 90. $73,650.

Tex., Big Lake—Election soon, $25,000 bonds, paving 10 blocks various streets. Engineer not selected.

Tex., Brackettville—Kinney Co. election July 10, $150,000 bonds, surfacing, bridging, etc. various roads. Address County Judge.

Tex., Clarksville—Red River Co. making plans grading, bridging, etc. 8.9 mi. Detroit Rugby Rd., 26 ft. $85,000. M. P. Homeyer, Clarksville, resident engr.

Tex., Clarksville—Election soon $25,000 bonds paving various streets. Engineer not selected.

Tex., Crockett — Houston Co., making plans grading and bridging, etc. 8.5 mi. Highway 21, 26 ft. $45,705. F. J. Von Zuben, Crockett, co. engr.

Tex., Franklin—Making plans grading, bridging and gravel surfacing 3.5 mi. Highway 43 from Hearne to Brazos River, 18 ft. $73,300. L. A. Peterman, Hearne, engr.

Tex., La Grange — Fayette Co. making plans grading, bridging and gravel surfacing, etc. 7.5 mi. Highway 44, 18 ft. $120,500. R. E. Schiller, La Grange, co. engr.

Tex., Sweetwater — Nolan Co. making plans grading, bridging and bituminous macadam paving 4.1 mi. State Highway 70, from Sweetwater to Fisher Co. line, 18 ft. $113,326. J. A. Focht, Sweetwater, co. engr.

Calif., Los Angeles—Bd. Pub. Wks. takes bids about June 18, curbing, grading, guttering, sidewalks and asphaltic concrete paving, etc. Hillcrest Dr., Court and Hill St. Impvt. Dist., also 5th Ave. and 60th St. Impvt. Dist. To exceed $50,000. J. C. Shaw, City Hall, engr.

Calif., Sacramento—Plans election $371,500 bonds, improving main artery streets and park roads. A. J. Wagner, city engr.

Calif., San Bernardino — Plans paving Rialto Ave. To exceed $100,000.

Calif., Wheatland—Making plans paving, etc. various streets. To exceed $25,000.

B. C., Vancouver — City Council takes bids about June 4, sidewalks, curbing, concrete and asphaltic concrete paving various streets. $200,000. C. Brackenridge, City Hall, engr. Noted Mar. 4.

Bids Desired

Massachusetts — June 8, by Dept. Pub. Wks., Boston, bituminous macadam paving 8,100 ft. highway in Stow, 3,800 ft. in Ashburnham, 10,170 ft. in Belmont, 2,250 ft. in Reading, 1,925 ft. in Somerset and 3,540 ft. in Westborough; gravel surfacing 699 ft. in New Ashford; hard paving 4,200 ft. in. Savoy; bituminous concrete paving 10,100 ft. in Barnstable. W. F. Williams, comr.

Mass., Boston — June 8, by Dept. Pub. Wks., recut granite block paving Boston St. $25,000. J. H. Sullivan, comr.

New York—June 11, by A. W. Brandt, comr. Highways, Dept. Pub. Wks., Albany, reconstructing and constructing highways in Rensselaer, Rockland, Erie, Broome, Cayuga, Dutchess, Monroe, Tompkins and Warren Counties; June 15, in Chautauqua, Livingston, Madison, Washington, Wayne, Delaware, Sullivan, Orleans, Monroe, Schuyler and Yates Counties; adv. E. N.-R. June 3.

N. Y., Boston—June 5, by C. A. Endress, town clk., bituminous macadam paving 4 mi. Thiel, Feddick and North Rds., 18 ft. $60,000.

N. Y., Lackawanna—June 7, brick, concrete or asphalt paving approximately 40,000 sq.yd. various streets. T. M. McCormick, city engr.

N. Y., Long Island City—June 8, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, sidewalks and permanent sheet asphalt on concrete paving Liberty Ave. from Brooklyn Boro line to 88th St. (Boyd Ave.) and from 88th St. to Rockaway Blvd.

N. Y., Tonowanda—June 7, paving 30,000 sq.yd. 3 streets. T. Barrally, city engr. Noted Apr. 15.

New Jersey — June 14, by State Hy. Comn., Trenton, grading and rein.-con. paving Route 20, Sect. 5, Millville to Vineland, Cumberland Co. A. L. Grover, secy.; adv. E. N.-R. June 3.

New Jersey — June 21, by State Hy. Comn., Trenton, widening Whitehorse Pike, Route 3, Sect. 11A, Berlin to Hammonton, Camden Co. A. L. Grover, secy.; adv. E. N.-R. June 3.

N. J., Flemington—June 17, by Bd. Freeholders Hunterdon Co. bituminous on

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Streets and Roads (Continued)

macadam paving 18,398 sq.yd. Lambertville-Stockton Rd. G. Davis, White House Station, engr.

N. J., New Brunswick — June 17, by Freeholders Middlesex Co., asphalt paving 10,080 sq.yd. Cranbury-New Brunswick Turnpike. W. F. Buchanan, 175 Smith St., Perth Amboy, engr.

Pennsylvania—June 22 and 23, by State Hy. Dept., Harrisburg, constructing approximately 47 mi. 19 projects in Allegheny, Armstrong, Beaver, Crawford, Delaware, Franklin, Lawrence, Lebanon, Montgomery, Perry, Schuylkill, Somerset, Warren and Westmoreland Counties. W. H. Connell, eng. executive and acting secy. highways; adv. E. N.-R. June 3.

Pa., Southmont (Johnstown P. O.) — June 14, by R. G. Wertz, secy. Boro Council, bituminous on concrete or rolled stone paving 6,950 sq.yd. Bliss, Weaver and Gardner Sts. S. E. Dickey & Co., 809 Johnstown Trust Bldg., Johnstown, engr. Noted May 6.

Delaware—June 23, by State Hy. Dept., Dover, grading and concrete paving, etc. 4.25 mi. New Castle-Wilmington Rd., Contr. CN31; 5.13 mi. Magnolia-Canterbury, Contr. CK26; and 0.5 mi. Bay Shore Road-Lewes, Contr. CS53; adv. E. N.-R. June 3.

Md., Baltimore—June 9, by Bd. Awards, sheet asphalt paving 14,640 sq.yd. Contr. 343; and concrete paving 6,475 sq.yd. Contr. 344. S. Purcell, City Hall, highways engr.

Md., Easton — June 15, by Mayor and Council, concrete paving 6,000 sq.yd. West and Hanson Sts. E. G. Kastenhuber, Jr., town engr.; adv. E. N.-R. June 3.

Va., Abingdon — June 7, at office Clerk Washington Co., grading and waterbound macadam surfacing 44,733 sq.yd. Tin Bridge Rd.

W. Va., Morgantown—July 6, by County Court, grading and hard-surfacing Miller Hill Kelley Rd., and Evansville Pike, both Clinton Dist. A. J. Baritell, co. engr.; adv. E. N.-R. June 3.

Florida — June 16, by State Rd. Dept., Tallahassee, 8 in. Florida lime rock surfacing 7.43 mi. road, Volusia Co.; clearing, grubbing, grading, etc. 3.94 mi. road in Charlotte Co., 7 mi. Lake Co. and 12 mi. Brevard Co.; bridge to have one 120 ft. span on concrete piers and 1,243 ft. approach span also and bridge to have one 120 ft. steel span on concrete piers and 1,348 ft. approach span, both in Okaloosa Co. J. L. Cresap, highway, engr.

Fla., Vero Beach—July 7, at office Carter & Damerow, engrs., Vero Beach, grading and bridging roadway, Sects. 1 and 2, Florida Cross State Highway between Vero Beach and Kissimmee River, in Indian River and Osceola Counties; adv. E. N.-R. June 3.

Miss., Houston—June 11, by Bd. Supervs. Chickasaw Co., improving 9.094 mi. Federal Aid Project 186, 20,003 cu.yd. excav., 44,416 cu.yd. borrow, 45,507 lb. reinforcing, 18,960 cu.yd. gravel 1 mi. haul, 101,934 units ½ mi. haul, 44,437 ft. creosoted and 1,886 ft. untreated timber, etc. H. C. Dietzer, Jackson, engr.

Louisiana—June 9, by State Hy. Comn., Baton Rouge, constructing 6.74 mi. Hoynessville-Bernice Highway, State Project 453 B3, Claiborne Parish; 4.06 mi. New Iberia-St. Martinsville Highway, State Project 453-A, St. Martins Parish; and 11 mi. Farmersville-Bastrop Highway, State Project 452-B, Union Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

La., Ruston—See "Contracts Awarded."

Kentucky—June 21, by State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, medium type surfacing 10.1 mi. Scottsville-Glasgow-Barren River Rd., F.A.P. 112, Allen Co.; low type surfacing 13.1 mi. Marion-Morganfield Union Co. line Rd., F.A.P. 119-A, Crittenden Co. and 8.2 mi. Edmonton-Glasgow-Barren Co. line Rd., S.A.P. 1-A, Metcalf Co.; medium type surfacing 2.5 mi. or low type surfacing 5 mi. Franklin-Bowling Green Rd., S.A.P. 15-A, Simpson Co. and 2.5 mi. or 5 mi. same road, Warren Co.; grading and low type surfacing 9.3 mi. Hopkinsville-Elkton Rd. (Jeff Davis Highway), F.A.P. 123-A, Christian Co.; grading, etc. 9.4 mi. Morgantown-Hartford-Borahs Ferry Rd., S.A.P. 11-A Butler Co., 5.1 mi. Owensboro-Livermore-McLean Co. line Rd., S.A.P. 77-A, and 1.9 mi. Owensboro-Fordsville-Ohio Co. line Rd., S.A.P. 12-A, both Daviess Co., also 10.7 mi. Compton-Jackson-Breathitt Co. line Rd., F.A.P. 121-A, Wolfe Co. E. N. Todd, highway engr.

Kentucky—June 28, by State Hy. Dept., Frankfort, **(F.A.P. means Federal Aid Project and S.A.P. means State Aid Project)**, reconstructing and low type surfacing 4.4 mi. Danville-Liberty-Lincoln Co. line Rd., S.A.P. 96-A, Boyle Co.; low type surfacing 6.1 mi. Coyce-Fulton-Hickman Rd., F.A.P. 130-B-C Fulton Co., 2.5 mi. Madisonville-Hopkinsville Rd. from Earlington to Mortons Gap, F.A.P. 122-B Hopkins Co., 9.6 mi. Marion-Smithland Rd., F.A.P. 92 Livingston Co., and 5.8 mi. Williamsburg-Jellico Rd., S.A.P. 35-C, Whitley Co.; grading and low type surfacing 7.8 mi. New Castle-La Grange-Oldham Co. line Rd., S.A.P. 19-A, Henry Co.; grading and medium type surfacing 3.3 mi. Munfordville-Bowling Green Rd. from Horse Cave to Cave City, F.A.P. 152-A and B, Hart and Barren Counties, high type surfacing 6.5 mi. Williamstown-Georgetown Rd., F.A.P. 114 Grant Co., 10.4 mi. Cannonsburg-Louisa-Lawrence Co. line Rd., F.A.P. 35-B and 136, Boyd Co.; grading and high type surfacing 3 mi. Madisonville-Earlington-Hopkinsville Rd., F.A.P. 122-A, Hopkins Co.; grading 7.5 mi. Elizabethtown-Leitchfield Rd., F.A.P. 147-B, Hardin Co., 13 mi. Hazard-Whitesburg Rd., F.A.P. 128-D-E Knott and Letcher Counties, 6.9 mi. West Liberty-Salyersville-Magoffin Co. line Rd., S.A.P. 28-B Morgan Co., and 9.2 mi. same road, S.A.P. 28-C, Magoffin Co. E. N. Todd, highway engr.

O., Dayton—June 11, by G. F. Baker, dir. Pub. Serv., brick or granite on concrete paving, etc., 47,000 sq.yd. 5th, Washington and Findlay Sts. $122,000. J. F. Hale, city engr.

O., Euclid—June 7, by Village, asphaltic concrete paving East 216 and East 234th Sts. To exceed $25,000. F. A. Thomas, Bd. Town Hall, engr.

Ind., Plymouth—June 14, by Bd. Comrs. Marshall Co., concrete paving. Chas. Rhoade, et al., Rd. $58,600. O. H. Weber, aud.

Ind., Salem — June 7, by Bd. Comrs. Washington Co., constructing 16,971 ft. Little York Rd., Washington Twp. $25,824. W. J. Nicholson, aud.

Ind., Sullivan — June 7th, by Comrs. Sullivan Co., constructing 12,468 ft. highway. $27,718. A. M. Carter, co. aud.

Mich., Muskegon—June 8, by Bd. Comn. Muskegon Co., grading, concrete or asphalt surfacing 1¼ mi. Lake Harbor Rd., 20 ft. $35,000. L. H. Nielsen, Court House, engr. Noted June 3.

Illinois—June 9, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, grading 23,651 cu.yd. Route 14, Sect. 12-X, White Co. F. T. Sheets, ch. engr.

Ill., Chicago — June 8, by City, Room 207, City Hall, grading, sewers and 7 in. concrete paving 9 various alleys, West 77th Pl. and North Central, Exchange, North Hamlin, North Oak Park, and Pensacola Aves. J. J. Sloan, pres.

Wis., Elkhorn — June 8, by H. J. Peters, comr. Walworth Co. Highways, graveling, etc. 11,000 cu.yd. Elkhorn-Williams Bay Rd.; 5,000 cu.yd. Sharon-Clinton Rd.; 5,000 cu.yd. La Grange-Palmyra Rd.; and 3,000 cu.yd. Troy-Muwonago Rd.

Wis., Milwaukee—June 7, by Dept. Pub. Wks., R. E. Stoelting, comr., rein-con. repaving, etc., 21,603 sq.yd. 27th St. and 2nd Ave. J. Schwada, city engr.

Wis., New London — June 8, by C. J. Thompson, city clk., grading and rein.-con. and vibrolithic concrete 9,371 sq.yd. paving Mill St. F. M. Charlesworth, Jr., Kaukauna, engr.

Minn., Rochester—June 7, by City, A. F. Wright, clk., vertical fibre brick paving, etc. approximately 8,470 sq.yd. various streets. $25,235.

Kan., Ft. Scott—June 12, by K. Culbertson, clk. Bourbon Co., 120,000 gal. bitumen for single surface treatment on 31 mi. roads.

S. D., Aberdeen—June 7, by L. W. Kohlhoff, city aud., 6 in. reinforced vibrolithic concrete paving, etc. 24,700 sq.yd. various streets. $65,000. A. E. Bennett, city engr.

Mo., Kennett—June 7, by C. S. Schultz, clk. Dunklin Co., graveling, etc. 6.28 mi. various streets, 16 ft. C. E. Smith & Co., Burnett Bldg., engrs.

Tex., Alice — June 15, by F. E. Hess, engr. Jim Wells Co., bituminous macadam surfacing 48.4 mi. Highway 12, and 5.9 mi. Highway 12-A, 18 ft. $1,200,000.

Tex., Groveton—June 14, by F. J. Berry, judge Trinity Co., grading, bridging, etc., 19.054 mi. Highway 94, State Aid Project 677-A, 26 ft. $100,000. Noted May 20.

Tex., Houston—J. C. McVea, city engr., taking bids paving various streets, for City. $60,000.

Tex., Karnes City—June 18, by O. N. Powell, engr. Karnes Co., bituminous macadam paving 9 mi. Highway 16, 18 ft. $160,000.

Washington — June 15, by State Hy. Dept., Olympia, **(S. R. means State Road)**, grading, etc., 72,500 cu.yd. S. R. 1, Whatcom Co.; crushed graveling, etc., 6,260 cu. yd. S. R. 2, and 22,000 cu.yd. S. R. 3, both Kittitas Co.; crushed rock or graveling approximately 18 mi. S. R. 8, Klickitat Co.; and constructing two 12 ft. span bridge on S. R. 2, Lincoln Co.; 100 ft. T-beam bridge on S. R. 1, Lewis Co.; and 1,040 ft. timber bridge on S. R. 1, Skagit Co. J. M. Hoover, highway engr.

Calif., Los Angeles—June 14, by Supervs. Los Angeles Co., grading and concrete paving, etc., 190,432 sq.ft. 2nd St. extension from Pomona Blvd. to west city limits of Pomona. G. W. Jones, co. rd. comr.

Calif., Martinez—June 21, by J. H. Wick, clk. Contra Costa Co., improving Concord-Avon Rd., 4,400 tons base rock, 1,440 tons top rock and screenings, 101,216 sq.ft. oiling. R. R. Arnold, Martinez, co. surv.

Calif., Modesto — June 14, by Supervs. Stanislaus Co., asphaltic macadam paving, etc. 1.8 mi. McHenry Rd., 18 ft.; ¾ mi. Oakdale Rd. 1.6 mi. Finney Rd., and 0.6 mi. California Ave., all foregoing 16 ft. To not exceed $25,000. J. H. Hoskins, Modesto, co. surv.

Calif., San Rafael—June 14, by Supervs. Marin Co., grading, etc., 127,471 cu.yd. Manor to Pt. Reyes Highway. J. C. Ogle, co. surv., San Rafael.

Calif., Tracy—June 10, by G. L. Frericks, city clk., grading, curbing, guttering 1½ in. Willite asphaltic concrete on 3½ in. Willite asphaltic concrete paving, etc. Eaton Ave., Center, Ofcee Sts., etc. To exceed $25,000. E. C. Finley, city engr. Noted May 27.

Ont., North Bay—June 7, by C. H. Fullerton, ch. engr. Providence Ontario, Northern Development Branch, Parliament Bldgs., Toronto, clearing, grading, graveling, etc. 38 mi. sections North Bay to Latchford Trunk Rd. $400,000.

Ont., Sarnia—June 10, by M. Beatty, city engr., sheet asphalt paving various streets. $40,000.

Ont., Waterloo—June 12, by L. F. Dietrich, chn. Bd. Wks., sheet asphalt paving 5,000 sq.yd. and concrete paving 1,300 sq.yd. various streets. $30,000. C. E. Necker, Town Hall, engr.

Que., Chartierville — See "Contracts Awarded."

Man., Oakbank—June 5, by E. C. Cowan, engr. Municipality Springfield, Oakbank, roadwork. $35,000.

Bids Received

Maine—State Hy. Dept., Augusta, May 20, grading, concrete paving, etc., highway in North Kennebunk, from A. Susi & Co., 12 Richfield St., Dorchester, $399,491; in Wells and Kennebunk, from Bruno & Pelitti, 18 Tremont St., Boston, $154,389; and in Ellsworth-Trenton, from McCabe & Giovannini, Inc., 20 Central St., Boston, $197,144. Noted May 13.

New Hampshire—State Hy. Dept., Concord, May 20, from Arborio Road Constr. Co., 408 Main St., Hartford, Conn., gravel surfacing 1.35 mi. highway in Pinkham Notch $29,300, 0.76 mi. highway in Lancaster $15,401, and bituminous macadam paving 2.15 mi. in Rochester $25,650, from T. Meloy, Gorham, 0.9 mi. highway in Whitefield $19,938, and gravel surfacing 0.48 mi. in Randolf $10,220; from Winslow & Cummings, Nashua, rein.-con. paving 1.35 mi. in Exeter and Stratham, $56,085; and from Ames Constr. Co., Somersworth, 24 ft. span deck girder bridge and approaches on Highway 207, in East Kingston, $5,798. Noted May 20.

Massachusetts—Dept. Pub. Wks., Boston, May 25, bituminous macadam paving 4,550 ft. highway in Sandswich from Washburn & Sheridan Constr. Co., East Taunton, $18,804; 1,500 ft. in Avon, from Powers, Taurasi & Rush, 139 Federal St., Boston, $8,537; 1,900 ft. in Medfield, from O. Menci, 27 Martinack St., Peabody, $10,782; and 15,300 ft. in Dartmouth, from Greeney & Sherry, Fall River, $279,366. Noted May 20.

Mass., Boston—Dept. Pub. Wks., May 24, sheet asphalt or bitulithic paving Wade St., Ward 14, from S. J. Tomassello, 11 Cushing Terrace, Dorchester, $35,986. Noted May 20.

Mass., Brookline (br. Boston)—Bd. Selectmen, May 17, sheet asphalt or Warrenite bitulithic paving Beacon St. between Park St. and Washington Sq., from Warren Bros. Co., 9 Cambridge St., Boston, $24,752. Engrs. est. $25,000. Noted May 13.

New York — A. W. Brandt, comr. Highways, Albany, May 25, **(e. e. means engineers estimate)** constructing 4.2 mi. Highway 5711, East Galway-Saratoga Rd., Part 2, Saratoga Co., from M. C. Tryon, Herkimer, $155,894 e. e. $199,001; 7.52 mi. Highway 1731, New Berlin-Leonardsville Rd., Part 1, Chenango Co., from Parlor City Constr. Co., Binghamton, $359,997 e.e. $514,815; and 5.34 mi. Highway 8247, Red Creek-South West Oswego Rd., Parts 1 and 2, Cayuga Co., from F. W. Forness, Jr., 438 North Union St., Olean, $230,546 e.e. $290,118. Noted May 13.

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, May 26, permanent asphalt paving East 37th St. and Liberty Ave., from Borough Asphalt Paving Co., 301 Metropolitan Ave., $3,806 and $4,042 respectively, also Caton Ave., from

Streets and Roads (Continued)

Brooklyn Alcatraz Asphalt Paving Co., 407 Hamilton Ave. $4,793; restoring and asphalt repaving where directed on various streets, from Uvalde Asphalt Paving Co., 1 Bway., New York City, $15,900; grading, curbing and flagging East 4th and East 5th Sts., from G. M. Mandato, 139 29th St., $3,383 and $3,668 respectively. East 57th St. and Avenue I, from Castle Bros., Inc., Johnston Pl., $834 and $1,243 respectively, East 48th St., from W. J. McHale Contg. Co., 1250 Jefferson Ave., $3,327. Noted May 20.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., May 29, sheet asphalt paving Cooper Ave., from Uvalde Asphalt Paving Co., 1 Bway., New York City, $22,855, also Ditmars Ave. and sheet asphalt on granite block paving Nelson Ave., from Cleveland Trinidad Paving Co., Flushing, $12,515 and $8,393 respectively; granite block paving Meadow St., from Welsh Bros. Contg. Co., 14 Queens St., $66,642; asphalt block repaving Woolsey St., from W. P. McDonald Contg. Co., Lawrence St., Flushing, $237,000; and curbing, guttering and sidewalks Nelson Ave., from O'Brien & Kurth, 8625 137th St., Jamaica, $9,791. Noted May 27.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., May 24, grading and granite block repaving Forsyth St. from St. George Paving Co., 90 West St. $22,124, and 5th Ave., from Asphalt Constr. Co., 208 Bway. $80,324; widening and sheet asphalt repaving Madison Ave., from Uvalde Asphalt Paving Co., 1 Bway., $39,735; also grading and asphalt block paving Stone St., from D. J. McCarthy, 88 Audubon Ave., $9,497. Noted May 20.

New Jersey—State Hy. Comn., Trenton, May 24, widening and concrete paving 84,600 sq.yd. Whitehorse Pike from Egg Harbor to Hammonton, Route 3, Sect. 12-A, Atlantic Co., from Comerford Constr. Co., 125 South 5th St., Atlantic City, $323,471. Noted May 6.

N. J., Manasquan—Boro Council, May 25, concrete paving 0.914 mi. Main St., from M. Staub, Pitman, $77,887. Noted May 6.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, May 24, improving York Rd., Chelton and 65th Aves., from J. J. McHugh, 1617 Race St., $213,355. Noted May 13.

Maryland—State Rd. Comn., Baltimore, May 25, graveling 2.37 mi. Contr. Sm-36, St. Marys Co., from Southern Maryland Constr. Co., 12 East Lexington St., Baltimore $19,623, and 1.75 mi. Contr. AA-47, Anne Arundel Co., from T. Mullan, 3945 Greenmount Ave., Baltimore $21,422; concrete paving 1.2 mi. Contr. T-23, Talbot Co., from Hannemann-Burroughs Co., Salisbury $25,992, and 1.25 mi. Contr. P-62, Prince Georges Co., from Thomas, Bennett & Hunter, Westminster $52,516; concrete shoulders on 3.4 mi. Contr. Ce-10-A, Cecil Co., from T. P. Murray, Towson $12,896, and 3.35 mi. Contr. M-10-C, Montgomery Co., from Gosnell, Russell Co., Frederick $25,952; macadam resurfacing 3.3 mi. Contr. W-40, Washington Co., from Bester, Long Co., Hagerstown $46,609. Noted May 13.

D. C., Wash. — Dist. Comrs., District Bldg., approximately 35,000 sq.yd. cement sidewalks on various streets from G. B. Mullin Co., 1296 Upshaw St. N. W. **(A)** $2.15; and from H. S. Hatton Constr. Corp., Bond Bldg. **(B)** $2.26. Noted May 20.

Florida — State Rd. Dept., Tallahassee, May 20, clearing, grubbing, grading, etc., 14.2 mi. road in Seminole Co., from Lake Worth Constr. Co., Lake Worth, $99,781. Noted May 13.

Louisiana — State Hy. Comn., Baton Rouge, roadway embankment 1.857 mi. Vinton-Orange Highway, Federal Aid Project 43 D, Unit 1, Calcasieu Parish, from Gifford Constr. Co., Mockbird St., Dallas, Tex., $234,500. Noted May 13.

O., Akron—Comrs. Summit Co., May 24, improving 2.9 mi. Kenmore-Mogadore Rd. 44E, 18,100 cu.yd. earth excav., and 34,000 sq.yd. 9-7-9 ft. **(a)** bituminous concrete **(b)** brick **(c)** rein.-con. **(*)** slag **(†)** gravel **(o)** limestone paving, etc. from McCourt Constr. Co., 369 South Main St. **(a)** $119,360 **(b)** $146,465 and **(c†)** $113,748; from A. E. Guilford Constr. Co., Metropolitan Bldg., **(c*)** $111,751; from C. F. Wilmore, Middletown, **(co)** $113,492.

Mich., Fordson—From White Constr. Co., 1548 Penobscot Bldg., Detroit, curbing, 8 in. concrete paving, etc. Assessment Dist. 121 $19,056, Dist. 122 $42,863, Dist 123 $44,321, Dist. 124 $39,951 and Dist. 126 $29,609.

Mich., Kalamazoo—Allegan Co., grading and concrete paving 95,286 sq.yd. Federal Aid 140, Sect. B, from Lewis & Freisinger, Ann Arbor, $164,629, 31,166 sq.yd. Sect. A, and 26,091 sq.yd. Sect. C, same project, from W. H. Fredericks, Zeeland, $44,095 and $48,747 respectively.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., May 22, sheet asphalt surfacing, etc. East Water St., from Badger Constr. Co., 97 Wisconsin St., $40,008; also asphalt resurfacing Erie St and North Water St., from White Constr. Co., 68 Wisconsin St. $12,205 and $13,344 respectively. Noted May 20.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., May 20, from Czerwinski Constr. Co., 816 Clinton St., vibrolithic concrete paving Euclid Ave. $55,429, Ludlow Ave. $7,433, Mt. Vernon Ave. $11,314, and Park Hill Ave. $13,715, from J. Bluhm & Son, 1298 Achilles Pl., 46th St. $3,527, and 47th St. $3,028; and from Lincoln Constr. Co., 1487 13th Ave., concrete curbing and guttering Orchard St. $2,497.

Texas — State Hy. Comn., Austin, H. Moseley, chn., May 25, grading bridging, etc. 11.492 mi. Highway 29, State Aid Project 452, 26 ft., from Armstrong & Armstrong, 502 Houston Bldg., San Antonio, $66,400. Engrs. est. $68,000. Noted May 20.

Texas—H. Moseley, chn. State Hy. Comn., May 25, grading, bridging, etc. 3.69 mi. Highway 23, from Crouch & Nolan, Strawn, $106,111, engrs. est. $140,000; and 9.24 mi. same road State Aid Project 655-B, from C. H. Van Eman, Cisco, $42,231, engrs. est. $54,300. Noted May 20.

Colo., Denver — Dept. Impvts. & Parks, May 13, from Allied Contractors Inc., Majestic Bldg., asphaltic concrete paving South Capital Hill Paving Dist. 10 $38,854, Paving Dist. 11 $41,717, Paving Dist. 12 $40,654, and Paving Dist. 33 $54,847, from Leroy Constr. Co., Symes Bldg., Paving Dist. 13 $39,753.

Calif., Bakersfield — From Thompson Bros., 1514 H St., Fresno, improving Espee, 27th, 28th, 29th Sts., etc., 649,918 sq.ft. oiling and grading at $0.027 per sq.ft., 176 ft. curbing $0.60, 386 ft. guttering $0.30, etc.

Calif., Beverly Hills—D. J. Firminger, city clk., from Johnson & Sons, 4183 South Normandie Ave., Los Angeles, grading and Warrenite surfacing 931,901 sq.ft. Wilshire Blvd., $565,647; from Griffith Co., Railway Bldg., Los Angeles, 79,057 sq.ft. Stanley Dr. $26,525, 79,583 sq.ft. Realtor Rd., etc., $26,145, and 58,913 sq.ft. Hamilton Dr. $21,080. Noted May 20.

Calif., Eureka—From Mercer-Fraser Co., Eureka, improving Harris St., etc., 559,276 sq.ft. 3½ in. asphaltic concrete on 1½ in. Warrenite surfacing at $0.22 per sq.ft., 662,445 sq.ft. grading $0.07, etc. total $218,184; also from Englehart Paving & Constr. Co., Henderson and T Sts., 582,290 sq.ft. grading $0.085, 450,863 sq.ft. vibrolithic concrete paving $0.20, etc., total $195,176.

Calif., Hollister — E. Dowdy, clk. San Benito Co., asphaltic macadam surfacing 457,000 sq.ft. various streets, from Granite Constr. Co., Watsonville, $49,936. Noted June 3.

Calif., Los Angeles—Warrenite bitulithic surfacing, etc., 500,000 ft. Badger Ave. and Dock St., from Pan-Pacific Constr. Co., Citizens Natl. Bank Bldg., at $0.15 per ft. Noted May 27.

Calif., Oakland — From Hutchinson Co., 1706 Bway., improving 26th St. between Adeline St. and Peralta Ave., 59,815 sq.ft. grading at $0.06 per sq.ft., 37,649 sq.ft. 1½ in. Warrenite bitulithic on 6 in. concrete paving, $0.31, etc. Noted May 6.

Contracts Awarded

New Hampshire—State Hy. Dept., Concord, graveling 0.94 mi. road in Andover, and 0.64 mi. in Charlestown, to J. P. Ricci, Burlington, Vt., $22,227 and $19,197 respectively; asphalt paving 0.51 mi. in Hampton, to Winslow & Cummings, Nashua $14,054, 0.91 mi. in Pembroke, to Robie Constr. Co., Manchester $16,603, and 0.7 mi. in Boscanwan, to A. D. Bridges, Hazardville, Conn. $17,688. Noted May 20.

Mass., Athol—Dept. Pub. Wks., Boston, bituminous macadam paving 8,429 ft. highway, here, to Kelleher Bros., Turners Falls, $97,234. Noted May 27.

Mass., Brookline (br. Boston) — Bd. Selectmen, sheet asphalt paving Beacon St., to Warren Bros. Co., 9 Cambridge St., Boston, $24,752. Engrs. est. $25,000. Noted May 26.

Conn., New Haven—E. S. Nettleton, city engr., asphalt amiesite on concrete or batch concrete paving Edgewood Ave., to C. W. Blakeslee & Sons, 58 Waverly St., $37,280; and bituminous macadam paving Vista Terrace, to J. Daley, 16 William St., $8,200. Noted May 20.

New York—A. W. Brandt, comr. highways, Albany, **(e. e. means engineer's estimate)**, improving 2.39 mi. Repair Contr. 1496, Highways 5026 and 5094, Steuben Co., and 2.45 mi. Repair Contr. 502, Highway 5282, Seneca Co., to H. W. Patterson, Hornell, $93,882 and $74,577 respectively, e. e. $120,588 and $89,859 respectively; 2.91 mi. Repair Contr. 1501, Highway 5208, Chemung Co., to E. C. Jones, Salamanca, $114,988 e. e. $146,443; 4.9 mi. Repair Contr. 1495, Highway 1460, Saratoga Co., to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $136,368 e. e. $179,024; 4.07 mi Repair Contr. 3143, Parts 1 and 2, Highways 250 and 271, Oneida Co., to Hogeboom & Campfield, Inc., Kingston, $238,184, e. e $327,088; 0.87 mi. Highway 1562-A, Albany Co., to T. S. O'Brien, Albany, $33,170, e. e $43,930; 2.44 mi. Repair Contr. 1497, Highway 5253, Steuben Co., to W. L. Collins, Hornell, $119,331, e. e. $155,871; 4.54 mi Highway 8244, Part 2, Albany Co., to Belmar Contg. Co., Inc., Proctor Bldg., Troy, $194,825, e. e. $296,400; 3.07 mi. Repair Contr. 1499, Highway 624, Jefferson Co., to Miller, Hayes & Gillette Constr. Co., Watertown, $115,571, e. e. $137,901; 3.69 mi. Repair Contr. 1498, Highways 337, 9022-9023, Madison Co., to C. D. Murray, Syracuse, $149,111, e. e. $185,576; 3.45 mi. Repair Contr. 1491, Big Tree Highway 36, Erie Co., to John Irwin Contg. Co., Inc., Lockport, $160,205, e. e. $242,628; 3.3 mi. Repair Contr. 1492, Hughsonville Highway 222, Dutchess Co., to J. L. Dugan, Inc., Newburgh, $158,374, e. e. $200,382; 2.37 mi. Repair Contr. 1493, Part 1, Highway 188, Ontario Co., to Di Pillo & Balistreri Constr. Co., Geneva, $124,645, e. e. $152,975; 6 mi. Repair Contr. 1494, Part 2, Highway 5267, Jefferson Co., to Lord, Coopy & Furnia, Inc., Willsboro, $284,807, e. e. $338,044, and 9.62 mi. Highway 1685-A, Washington Co., to S. B. Van Wagenen, Inc., Kingston, $303,331, e. e. $397,201. Grand total $2,301,369. Noted Apr. 29.

New York — A. W. Brandt, comr. Highways, Albany, improving 1.04 mi. Highway 1724-1729, Lewiston Village-Center St. and Canada Bridge-Lewiston Highway, also 3.85 mi. Repair Contr. 1509, Highway 5305, Niagara Falls-Sanborn Highway, both Niagara Co., to Peoples Paving Co., Inc., 2842 Delaware Ave., Buffalo, $60,352 and $141,062 respectively; 4.51 mi. Repair Contr. 1517, Highway 5546, Evans Center Rd., Erie Co., and 2.96 mi. Repair Contr. 1514, Highway 5452, Irving-Silver Creek Rd., Chautauqua Co., to D. T. Ripton, Rochester, $264,221 and $197,882 respectively; 3.03 mi. Reconstruction 3146 Highway 247, Johnstown Keeks Center Rd., Part 2, Fulton Co., and Reconstruction 1513, Highway 5096, Fonda-Johnstown Rd., Montgomery Co., to Fitzgerald Bros. Constr. Co., Proctor Bldg., Troy, $160,103; 3.03 mi. Repair Contr. 516, Highway 533, West Chazy-Chazy Rd., Highway 433, Chazy-Chazy Landing Rd. and Highway 5199 Chazy-Rouses Point Rd., Clinton Co., to Lord, Coopy & Furnia, Inc., Willsboro, $197,605; 1.91 mi. Highway 1726, Phelps-Newark Rd., Part 1, Ontario Co., to M. C. Soper, Seneca Falls, $72,675; 2.4 mi. Repair Contr. 1512, Highway 5382, Fulton-Oswego Rd., Oswego Co., to DiPillo & Balistrari Constr. Co., Geneva, $90,447; 1.29 mi. Repair Contr. 1505, Highway 444, Riverside Dr. and Highway 5377, Riverside Dr.-Binghamton Rd., Broome Co., to Municipal Constr. Co., Utica City Natl. Bank Bldg., Utica, $55,302; 5.17 mi. Repair Contr. 1515, Highway 395, Medina-Alabama Rd., Orleans Co., to W. J. Gallagher, Medina, $207,497; 1.3 mi. Repair Contr. 1511, Highway 5111, Jericho-Turnpike Rd., Part 2, Suffolk Co., to Good Roads Eng. & Constr. Co., Port Chester, $60,642; 4.24 mi. Highway 8248, Ripley-Sherman Rd., Part 3, Chautauqua Co., to Webber Co., Sherman, $198,873. Grand total $1,633,986. Noted May 13.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sheet asphalt concrete paving and repaving East Tremont Ave., to Brusstar Constr. Co., Edgewater Rd. and Staff Ave., $185,757; curbing, sidewalks, etc. on La Salle St., to C. Turiano Contg. Co., East Tremont Ave., $6,694; grading, curbing and sidewalks on Edison Ave., to A. Gregorio & Co., 1121 Nicol Ave., $18,066; also on Wallace Ave. and grading, inlets, etc. on Paulding Ave., to L. Di Minna, 2366 Lawrence St., $2,529 and $3,598 respectively. Grand total $216,644. Noted May 27.

New York—A. W. Brandt, comr. Highways, Albany, improving 0.84 mi. Highway 5292-A, Truxton-DeRuyter Highway, Cortland Co., to G. D'Angelo, 84 Court St., Binghamton, $48,394 engrs. est. $63,883; and 3.8 mi. Highway 1727, Grove Corners-Hilton Highway, Monroe Co., to Stapell Mumm & Beals Corp., Gardenville, $146,824, engrs. est. $191,533. Noted May 20.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading and granite block repaving Forsyth St., to St. George Paving Co., 90 West St. $22,124, and 5th Ave. to Asphalt Constr. Co., 208 Bway., $80,324; widening and sheet asphalt repaving Madison Ave., to Uvalde Asphalt

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Streets and Roads (Continued)

Paving Co., 1 Bway., $39,735; also grading and asphalt block paving Stone St., to D. J. McCarthy, 88 Audubon Ave., $9,497. Grand total $151,680. Noted May 20.

N. J., New Brunswick — Middlesex Co., concrete paving ¾ mi. Stelton-New Market Rd., to C. Sebolt, 16 Rochmond St., $30,415; and Woodbridge Ave., to Graham & McKeon, 319 Oak St., Perth Amboy, $55,224. Noted May 13 and 20.

Pennsylvania—State Hy. Dept., Harrisburg, **(A. means Application and R. means Route)**, grading and rein.-con. paving, etc., 9,558 sq.yd. R. 151, Montgomery Co., to Fish-Rutherford, Inc., 2313 Walnut St., Phila., $89,102; 69,686 sq.yd. Rs. 310 and 382, Berks Co., to Ambler-Davis Co., Harrison Bldg., Phila., $293,442; 9,172 sq.yd. R. 3581, Allegheny Co., to A. G. Rothey, Elizabeth, $44,698; 60,840 sq.yd. A. 3842, Sect. 1, Berks Co., to Leonard Paving Co., Inc., 233 Bway., New York City, N. Y., $235,460; 35,586 sq.yd. R. 213, As. 3936 and 4100, also A. 3935, both Mercer Co., to Jamieson & Knapp, Fredonia, $133,477 and $87,490 respectively; also 27,957 sq.yd. A. 3856, Dauphin Co., to York Eng. & Contg. Co., York, $97,893. Grand total $981,571. Noted Mar. 18 and Apr. 29.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to R. B. Wenner, 2313 Walnut St., grading Bigler St. $1,499, E. Emerson, Halstead, Hoffnagle, Ryers Sts. $4,010, and Marvine St. $944, to Dewees Bros., 7200 Shelburne St., Fraley St. $1,360, to E. A. Mullen, 5512 Vine St., 66th St. $1,667; to Eastern Asphalt Co., Penna Bldg., asphalt paving (assessment work), Anchor and Carver Sts. $7,385, Baynton St. $3,079, Chelwynde, Dicks, Garman, Guyer, Sylman, 69th and Theodore Sts. $34,159, asphalt repaving Corlies and Stanley Sts. $24,946; to Barber Asphalt Co., 239 North 30th St., asphalt paving (assessment work), Conshohocken St. $44,775, Cottman St. $76,117, Cottman St. between Rowland and Sackett Sts. $19,162, Craig and Decatur Sts. $15,579, 7th St. $10,243, and 54th St. $5,664, to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., Dorset St. $17,262, Haworth St. $2,765, and asphalt repaving Worth St. $24,964; to Union Paving Co., 123 South 21st St., asphalt paving 54th St. between Columbia and Overbrook Sts. $119,357; to United Paving Co., Real Estate Trust Bldg., redressed granite block repaving Filbert St. (south track) north side of City Hall, Broad St. and Market St. between Broad and 15th Sts. $5,680, improving Flamingo, Lawn, Newland and Silverwood Rds. $20,671, Fry St. $7,685, Rodney and Thomson Rds. $14,138, to A. J. Henderson, 825 East Washington Lane, Ardleigh Rd. $1,452, to Benjamin Foster Co., Inc., 10th and Venango Sts., Mt. Airy and Mt. Pleasant Rds. $9,670, St. George's Rd. $6,779, and intersection of 68th St. and Springfield Ave., 67th St. and Beaumont Ave. and Cobb's Creek Parkway $4,034; to Atlantic Refining Co., 260 South Broad St. furnishing asphalt cement $28,815; to Van Sciver Corp., 24th St. and Parkway, crushed stone $3,075, and crushed pebbles $2,475; and to Miles-Billing Co., Penna Bldg., crushed slag $2,625. Grand total $511,036. Noted May 13.

Pa., Westmont — Boro Council, H. P. Shomo, pres., Greene St., 6 in. rein.-con. paving, etc. 15,000 sq.yd. Luzerne St., to F. L. James, Johnstown, $69,695. Noted May 13.

Maryland—State Rd. Comn., Baltimore, concrete shoulders on 5.2 mi. Contr. Ho-7-A, Howard Co., to Catalano & Picora Constr. Co., Old Town Natl. Bank Bldg., Baltimore, $34,934. Noted Apr. 22.

Maryland—State Rd. Comn. ,Baltimore, concrete paving 1.27 mi. Contr. H-47, to G. A. Atkinson, Port Deposit, $43,044; and 1 mi. Contr. H-49, to Ward & O'Connell, 3114 Presbury St., Baltimore, $21,813, both Harford Co. Noted Apr. 29.

Maryland — State Roads Comn., Baltimore, concrete paving 1 mi. Contr. F-91, Frederick Co., to L. R. Waesche, Thurmont, $17,388; and 1.38 mi. Contr. B-73, Baltimore Co., to E. C. Valentine, Rocky Ridge, $26,018. Noted May 20.

Maryland—Macadam resurfacing 1.6 mi. Contr. H-48, Harford Co., and 0.91 mi. Contr. H-38, Harford Co., to T. B. Gatch & Sons, Raspeburg, Baltimore, $21,092 and $17,102 respectively; concrete paving 1.5 mi. Contr. CO-39, Caroline Co., to P. D. Phillips & Bro., Salisbury $27,829, and 1 mi. Contr. F-92, Frederick Co., to M. J. Grove Lime Co., Lime Kiln, $24,921. Grand total $90,944. Noted May 27.

Maryland — State Roads Comn., Baltimore, macadam resurfacing 2.4 mi. Contr. W-25, Washington Co., to Bester, Long Co., Hagerstown $28,894, and 1.2 mi. Contr. F-60, Frederick Co., to Poffinberger & Mause, Myersville, $19,121; concrete paving 2 mi. Contr. B-78, Baltimore Co., to H. D. Campbell & Sons Co., Towson $65,743, and 1.44 mi. Wi-34, Wicomico Co., to P. D. Phillips & Bro., Salisbury, $30,686. Grand total $144,454. Noted May 13.

Va., Richmond — Director Pub. Wks., grading, curbing, guttering and vitr. brick on 6 in. concrete with asphalt filler paving 5,900 sq.yd. Meadowbridge Rd., to Anderson & Maynard, Amer. Natl. Bank Bldg., $24,318, engrs. est. $36 100; grading, curbing, guttering and sheet asphalt on 6 in. concrete paving 46,800 sq.yd. and granite block paving 11,600 sq.yd. various streets, to McGuire & Rolfe, 1009 Brook Rd., $150,571, engrs. est. $232,000.

W. Va., Morgantown—W. E. Brooks, city mgr., vitr. brick paving Cotten Ave. and 4 other streets, to Cole Bros. Constr. Co., Morgantown, $33,520; and Clark, Euclid, Maple and Elm Sts., to Consolidated Constr. Co., Morgantown, $26,874.

South Carolina — State Hy. Dept., Columbia, concrete paving, etc., 1.9 mi. State Route 21, State Project S-508, and 2.7 mi. State Route 20, State Project S-618, to B. H. Martin, Easley, $58,140 and $71,901 respectively, and 0.6 mi. Paris Mountain Rd., to Ballenger Paving Co., Greenville, $18,048, both Greenville Co., 6.4 mi. Route 2, Federal Aid Project 49, Newberry Co., to Southern Paving Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn., $171,150, and 5.7 mi. Route 8, Federal Aid Project 243-A, Spartanburg Co., to W. A. Dicus, Clinton, $50,100; sand clay surfacing, etc., 11.5 mi. State Route 50, Federal Aid Project 266-A, Kershaw Co., to Langford & Wicker, Newberry, $76,681; grading and topsoiling, etc., 3 mi. State Route 9, State Project S-622-A, Chester Co., to J. L. Carroll, Columbia, $8,673; and six 15 ft. span treated timber bridge over Lightwood Creek, State Route 24, State Project S-545, Lexington Co., to Gibson Constr. Co., Savannah, Ga., $3,572. Grand total $458,265. Noted May 13.

Fla., Tampa — City Comrs., P. Wall, mayor, to W. L. Harwell, 721 South Orleans Ave., 2½ in. asphalt block or vitr. brick on rock or shell paving 9,000 sq.ft. Impvt. 54 to 56 (inclusive), Flagler, Oakwood and Elwood Aves., $28,000, and 58,000 sq.yd. Impvt. 1, portion of Flo Ave., $150,000, 2½ in. asphalt block or vitr. brick on rock or shell paving 10,000 sq.yd. Impvt. 60, portion of Clark St., $26,000, 10,000 sq.yd. Impvt. 57 to 59 (inclusive), Hemlock Ave. and Chapin St., $28,000, 2½ in. asphalt block or 3 in. vitr. brick on rock or shell base paving 80,000 sq.yd. Impvt. 254, Fuller St. and Massachusetts Ave. $25,000, 9,000 sq.yd. Impvt. 5 to 9 (inclusive), $25,000, 9,000 sq.yd. Impvt. 15-16-21-51, Kriber St., etc., $25,000, 9,000 sq.yd. Impvt. 52 to 61 (inclusive), portion of 22nd St. and Saxon Ave. $30,000, and 10,000 sq.yd. Impvt. 53, portion 22nd St. $28,000. Grand total $365,000. Noted Apr. 1.

Miss., Lucedale—Bd. Supervs. George Co., improving 7.351 mi. Lucedale-Pascagoula Highway, 10 acres clearing and grubbing, 21,386 cu.yd. excav., etc., to Doddie Constr. Co., Laurel. Noted Apr. 29.

La., Jennings—Comrs. Meadow Prairie & Pine Island Road Dists., constructing 3 mi. gravel road, to Wimberly & Barbour, Crowley, and to Fox Lumber Co., Lake Charles, about $40,000.

La., Lafayette—Bd. City Trustees, City Hall, approximately 11 mi. cement sidewalks on various streets, to C. E. Rabalais, Bunkie, $44,255.

La., Ruston—Will grade, curb and pave 7 blocks Arizona, Cherry and Sparta Sts., by day labor. $25,000.

La., Shreveport—City Council to Shreveport Paving Co., Shreveport, rock asphalt paving 1,836 sq.yd. Lister St. $7,312, and 1,843 sq.yd. Herndon Ave. $7,338; to Southern Roads Co., Amer. Trust Bldg., Birmingham, Ala., asphaltic concrete paving 8,696 sq.yd. Fulton St. $33,447, 2,470 sq.yd. Logan St. $10,070, 1,400 sq.yd. Layacca St. $5,108, and 912 sq.yd. San Jacinto St. $3,200. Grand total $66,475. Noted May 13.

Ohio—Dept. Highways & Pub. Wks., Columbus, to D. A. Phillips & Son, Ashland, grading, and concrete paving 3.954 mi. Sect. "C" Ashland-Medina Rd., Ashland Co. $154,445, to Springer & Springer, Wheeling, W. Va., 0.464 mi. Sect. "K" National Highway $31,106, 0.472 mi. Sect. "A-2" Ohio River Rd. $32,884, and 0.017 mi. same road, $12,929, all foregoing in Belmont Co., to Lewis & Copeland, Lima, 1.636 mi. Sect. "O" Cleveland-East Liverpool Rd., Columbiana Co. $49,289, to R. J. Au, Mansfield, 0.539 mi. Sect. "Oberlin" Oberlin-Lorain Rd., Lorain Co. $17,104, 0.249 mi. Sect. "M-1" same road $8,127, to Putnam Constr. Co., Toledo, 2.066 mi. Sect. "B-2" Marion-Mt. Gilead Rd., Marion Co. $62,185, 0.497 mi. Sect. "G" Ottawa-Grand Rapids Rd., Wood Co. $15,174, and 0.788 mi. Sect. "Grand Rapids" same road $24,432, bituminous macadam paving 2.995 mi. Sect. "B" Bucyrus-Clyde Rd., Crawford Co. $71,553; to Modern Construction Co., Fremont, grading and concrete paving 5.06 mi. Sect. "Y" Lima-Sandusky Rd., Sandusky Co. $140,202, to L. L. Garner, Buffton, 1.98 mi. Sect. "D" Marysville-Marion Rd., Union Co. $53,776; to Craig & Jordan, Blanchester, traffic bound macadam paving 7.2 mi. Sect. "A" Bethel-Williamsburg Rd., Clermont Co., $ 289; to Tri-State Constr. Co., Youngstown, bituminous macadam, tar paving 2.3 mi. Sect. "X" Canfield-Poland Rd., Mahoning Co., $32,264, to E. O. Uncapher, Marion, bituminous macadam paving 1.31 mi. Sect. "G" Delaware-Marion Rd., Marion Co. $28,342, to W. M. Gray, 408 Fairwood Ave., Columbus, 3.628 mi. Sect. "D" New Philadelphia-Carrollton Rd., Tuscawaras Co. $155,190; to L. G. Booth, Painesville, concrete and Hillside brick paving 3.84 mi. Sect. "D" Solon-Willoughby Rd., Lake Co., $159,432; to Dunsweiler Constr. Co., Zanesville, brick, incl. brick paving 4 mi. Sect. "C" Newark-Walhonding Rd., Licking Co. $127,135; to Austin & Carey, Kenton, Kentucky rock asphalt paving 4.17 mi. Sects. "K" and "J" Delaware-Marion Rd., Marion Co. $96,399, also 3.74 mi. Sects. "B" and "C" same road, $89,080; to F. H. Beckler, Athens, graveling 14 mi. Sect. "A," etc.; Chester-Reedsville Rd., Meigs Co., $16,050; to Koffroth & Owens, Richwood, surface treated macadam paving 2.87 mi. Sect. "D" Delaware-Marysville Rd., Union Co. $51,754; to H. J. Hart, Elyria, slag and waterbound macadam widening 4.375 mi. Sect. "E" Cleveland-Meadville Rd., $21,610, and 4.288 mi. Sect. "L" and portion of "M," Hampden-Andover Rd., $22,919, both Ashtabula Co.; to Ideal Constr. Co., Upper Sandusky, concrete widening 0.89 mi. Sect. "F" Lima-Kenton Rd., Hardin Co., $7,077; to A. E. Guilford Co., Metropolitan Bldg., Akron, brick widening 4.01 mi. Sects. "A" and "B" Akron-Massillon Rd., Summit Co., $64,046; to Merry & Miller, Caldwell, grading, etc., 3.875 mi. Sect. "O" Barnesville-Bellaire Rd., Belmont Co. $37,647, to C. Fox, Bradner, 6.411 mi. Sects. "V-1," "W" and "V-2," Cleveland-East Liverpool Rd., Portage Co. $31,136, and to D. A. Orr Co., Columbus, 0.388 mi. Sect. "J" Wooster-Loudonville Rd., Wayne Co. $19,022; to Brilhart & Wright, Warsaw, furnishing, hauling and spreading limestone on Sects. "K-3" and "S" McConnelsville-Caldwell Rd., Morgan Co., $9,901. Grand total $1,656,499. Noted May 6.

O., Cincinnati — Director Pub. Wks., granite curbing, cement sidewalks, granite block paving 3,800 sq.yd. Plum St., to Hannon-Hughes Constr. Co., 312 East 8th St., $55,246. Engrs. est. $63,812. Noted May 20.

O., Cleveland — To Roehl Bros. Paving Co., 7002 Denison Ave., grading, curbing and concrete paving Mt. Vernon Ave. $1,523, brick paving Western Ave. $45,066, asphalt paving Addin Ave. $8,172, Schiller Ave. $24,772, Ardmore Ave. $13,708, and West 148th St. $16,173, to Rieley Bros., The Arcade, East 18th St. $12,932, East Blvd. $74,665, to H. G. Herring, Wayside Rd., Burnside Ave. $8,726 and concrete paving Glen Ave. $6,159; to Gould & Maybach, 16311 Saranec Rd., brick paving Linn Dr. $14,423 and East 117th St. $2,753; to Enterprise Paving & Constr. Co., 8444 Bway., concrete paving Cardwell Ave., $14,753; to Bentley Bros., Hanna Bldg., sheet asphalt paving East 30th St. (2 sections) $35,362 and $12,962. Grand total $292,149. Noted May 13.

O., Cleveland — To Cleveland Trinidad Paving Co., The Arcade, grading, curbing, guttering and brick paving Kazimer Ave. $22,372, Alger Ave. $27,924, and Craven Ave. $38,127, asphalt paving Prince Ave. $41,501, Nelson Ave. $23,356, concrete paving Abell Ave. $23,582, Crestline Ave. $5,956, Minor Ave. $4,263 and Botany Ave. $11,337. Grand total $198,418.

O., Cleveland—Concrete resurfacing 206,950 sq.yd. Berea Rd. (2 sections), to Baldwin Bros., 4500 Euclid Ave., $49,902 and $108,521.

Mich., Detroit—To Detroit Asphalt Paving Co., 909 Transportation Bldg., sheet asphalt paving 4,220 sq.yd. Justine Ave. $17,845, 8,410 sq.yd. Buffalo Ave. $33,257, 4,275 sq.yd. Georgia Ave. $17,813, 2,920 sq.yd. Culvert Ave. $12,538, 2,790 sq.yd. Huntington Ave. 54,401, 5,340 sq.yd. Elmira Ave. $21,717, 3,180 sq.yd. Cedarlawn Ave. $13,223, 5,280 sq.yd. Crocuslawn Ave. $22,040, 1,890 sq.yd. Amos Ave., $8,224, 3,200 sq.yd. Saratoga Ave. 13,648, 2,285 sq.yd. Cedar Grove Ave. $9,650, 1,820 sq.yd. Essex Ave. $8,224, 8,150 sq.yd. Cadet Ave. $34,808, 6,250 sq.yd. Chatsworth Rd. $25,045, 3,740 sq.yd. Military Ave. $16,345, 5,630 sq.yd. Avis Ave. $24,137, 4,090 sq.yd. Holmur Ave. $16,702, 3,250 sq.yd. Otto Ave. $13,643, and 13,450 sq.yd. Dorris Ave. $54,401; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., 1,400 sq.yd. Hawthorne Ave., 6,539; to M. R. Hanna Co., 2700 Six Mile Rd.,

Streets and Roads (Continued)

8,280 sq.yd. Centerline Ave. $24,713, 9,650 sq.yd. Ilene Ave., $36,341 and $5,625 sq.yd. Griggs Ave. $21,142. Grand total $506,396.

Mich., Detroit—Dept. Pub. Wks., to M. E. Hanna Co., 270 Six Mile Rd., sheet asphalt paving 19,850 sq.yd. Harper Ave. $76,518, 5,320 sq.yd. Waltham Ave. $22,134, 8,300 sq.yd. Greeley Ave. $33,741, 2,180 sq. yd. Swift Ave. $8,997, 6,630 sq.yd. Russell Ave. $26,663, 8,490 sq.yd. Mettetal Ave. $34,648, 8,550 sq.yd. Marys Ave. $34,790, 24,500 sq.yd. Cadieux Ave. $96,482, and 5,910 sq.yd. Wayburn Ave. $24,618; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., 1,890 sq.yd. Tuller Ave. $8,255; to Detroit Asphalt Paving Co., 909 Transportation Bldg., 3,445 sq.yd. May Ave. $15,723, 2,160 sq.yd. Goldsmith Ave. $10,029, 2,950 sq.yd. Hollywood Ave. $13,362, 2,260 sq.yd. Syracuse Ave. $10,028, 3,260 sq.yd. Farr Ave. $15,044, 6,770 sq.yd. Moenart Ave. $28,119, 965 sq.yd. Rowley Ave. $4,215, 2,255 sq.yd. Bonaparte Ave. $10,125, 6,680 sq.yd. Grixdale Ave. $29,942, 7,000 sq.yd. Daws Ave. $28,812, 6,340 sq.yd. Drexel Ave. $26,668, 2,210 sq.yd. Coplin Ave. $9,563, 2,200 sq.yd. Cope Ave. $9,490, 2,200 sq.yd. Anderdon Ave. $9,464, 1,920 sq.yd. Newport Ave. $8,151, 1,545 sq.yd. Eugene Ave. $6,515, 7,410 sq.yd. Courville Ave. $30,632, 2,325 sq.yd. Birwood Ave. $9,737, 4,375 sq.yd. Lenox Ave. $18,820, 4,025 sq.yd. 14th Ave. 18,289, 670 sq.yd. Sarvis Pl. $3,347, 7,280 sq.yd. Morrow Ave. $29,748, and 2,600 sq.yd. Meldrum Ave. $12,306. Grand total $724,975.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete paving 13.6 mi. Route 39, Sects. 2, 3, and 4, McLean Co., to W. C. Meneely Co., Decatur, $269,687, 7.49 mi. Route 31, Sect. 14, Schuyler Co., to M. Hayes & Son, 209 South La Salle St., Chicago, $150,717, Route 16, Sect. 5-W, Coles Co., to Etchison-Patterson Constr. Co., Casey, $3,754, Route 1, Sect. 15-X, Lawrence Co., to L. R. Harshman, Sullivan, $2,602, Route 43-A, Sects. 2-W and 2-W-1, Menard Co., to McElwee & Rogy, Peoria, $3,056 and $10,356 respectively, 0.07 mi. Route 1, Sects. 20-X and 21-X, Crawford Co., to O. Arnold, Casey, $2,175 and $6,209 respectively, 1.09 mi. Route 3, Sect. 33, Warren Co., to J. L. Wells Co., Rock Island, $21,730, all above roads 18 ft. wide, also 3.93 mi. Route 31, Sect. 17, Fulton Co., 18 ft., and gravel surfacing 0.13 mi. same road, to H. A. Carpenter, Brazil, Ind., $114,826. Grand total $585,112. Noted Apr. 15, 29 and May 13.

Wisconsin — State Hy. Dept., Madison, concrete paving, etc., 60,487 sq.yd. Milladore-Junction City Rd., Portage Co., to Nickell-Grahl Constr. Co., Medford, $153,392, and 42,502 sq.yd. Marshall-Sun Prairie Rd., Project 387-A, to F. Doherty Co., 37th St. and Fond du Lac Ave., Milwaukee, $102,835; also graveling, etc., 1,037 cu.yd. Marshall-Sun Prairie Rd., Project 387-A, to Kramp Constr. Co., Berlin, $115,417. Grand total $371,644.

Wis., Clintonville — Waupaca Co. Hy. Comn., J. Huffcutt, comr., grading, 18 ft. concrete paving, etc., 2.765 sq.yd. North 4th and 12th Sts., to L. A. Larsen, Oshkosh, $28,097. Noted Dec. 10.

Wis., Madison — W. R. Winckler, clk., curbing, guttering and concrete paving various streets, to McQuinn, 515 West Johnson St., $92,252; to J. R. Cullinare, 618 West Dayton St., $88,838; to J. Icke, Washington Bldg., $102,426; and to O'Dea & Schafer, General Delivery, $59,873. Grand total $343,389. Noted Mar. 18.

Wis., Manitowoc — Vibrolithic concrete paving, etc., 30,000 sq.yd. streets on south side, to Manitowoc Constr. Co., 826 South 8th St., at $1.25 per sq.yd.; and one course concrete paving, etc., 10,000 sq.yd. streets on north side, to Cherney Constr. Co., Francis Creek, at $2.08 per sq.yd.

Wis., Milwaukee — Dept. Pub. Wks., vibrolithic concrete paving Swain St. to Czerwinski Constr. Co., 816 Clinton St. $13,765, 26th St., to J. Bluhm & Son, 1298 Achilles Pl. $11,393, 59th St. and Sherman Blvd., to A. E. Retzlaff, 868 Island Ave. $19,919 and $7,922 respectively; sidewalks on Wells St., and concrete paving 2 alleys to Schwerm Bros., 50 Lee St. $621 and $7,495 respectively; and concrete paving 1 alley, to Reid & Mahlberg, 818 Lake Blvd. $3,279, 2 alleys, to F. Hilderbrand, 1042 23rd Ave. $7,188 and 1 alley, to Ryback & Sadowski. 1092 2nd Ave. $917. Grand total $72,499. Noted May 20.

Wis., Milwaukee—Dept. Pub. Wks., to Froemming Bros., 1326 Humboldt Ave., vibrolithic concrete paving 18th St. $7,137, 20th St. $9,268, and Well St., $22,394, F. W. Blodgett, 521 Newton Ave., Franklin St. $42,249, Hubbard St. $7,158, Locust St. $9,621, and 19th St. $7,848, to Czerwinski Constr. Co., 765 National Ave., South Water St., $8,129, to Gumz & Switalski, 3rd Ave. $23,983, and Trowbridge Ave. $15,759; and to N. Harris, 417 Juneau Pl., sidewalks on Cedar St. $1,523. Grand total $155,069. Noted May 6.

Wis., Monroe—C. J. Smith, comr. Green Co., concrete paving, etc. 37,100 sq.yd. Monroe-Argyle Rd., and 30,400 sq.yd. West Brodhead-Albany Rd., to J. O. Legreid, Stoughton, $114,554 and $62,333 respectively.

Ia., Algona—Kossuth Co., grading 173,279 cu.yd. primary roads, to M. T. McGuire, Algona, $38,641. Noted Apr. 15.

Ia., Iowa City — Johnson Co., grading, etc., 12.31 mi. roads, 87,000 cu.yd. excav., 36,000 sta.yd. overhaul, etc., to W. A. Moore, Hector, Minn., $26,939.

Ia., Rock Rapids — Lyons Co., grading, etc. 136,042 cu.yd. Secondary and Primary Projects S-74, S-75 and S-76, to C. W. McNamara, Sioux Falls, S. D., $32,380.

Ia., Cedar Rapids — Linn Co., grading Lincoln Highway to Benton Co. line, to G. H. Lowe, Slayton, Minn., $30,183. Noted Apr. 8.

Ia., Sioux City—Curbing, guttering and 6 in. concrete paving 5,700 sq.yd. Dodge and Paxton Sts., to Booth & Olson, 318 Grain Exch. Bldg.; and 5,000 sq.yd. Glass St., to Western Asphalt Paving Corp., 1st St. and Nebraska Ave.

Minn., St. Paul—G. J. Reiss, aud. Ramsey Co., improving Frost Ave. between White Bear Ave. and Keller Parkway, 10,150 cu.yd. excav., 21,730 sq.yd. 7.5 in. rein.-con. paving and 10,725 sq.yd. rein.-con. shoulders, to Feyen Constr. Co., 277 Burgess St., $49,565. Noted April 22.

Kan., Russell—Clerk Russell Co., grading, culverts and triple box bridge on 5.126 mi. Federal Aid Project 301-C, to Hall-Hardman Constr. Co., Alton, $32,915. Noted Apr. 22.

South Dakota — For State Hy. Comn., Pierre grading Federal Aid Project 158 B, Clay Co., to W. R. Larson Constr. Co., Sioux Falls, $57,805; and Federal Aid Project 162 C, Jackson Co., to N. J. Olson, Scenic, $72,876.

Wyoming—State Hy. Dept., Cheyenne, road work, to F. A. Bundy, Cheyenne, $7,521; surfacing 7.5 mi. roads, to Tyler & Baker Constr. Co., Rock River, $18,418; culvert and bridge work, to N. A. Swenson, Laramie, $4,980; also grading, culvert and pile trestle work, to Wickham Bros., Billings, Mont, $54,619; pile trestle work, to C. M. Smith, Thermopolis, $2,384. Grand total $87,922.

Missouri — State Hy. Dept., Jefferson City, to Hurtzen & Sayer, St. Louis, grading 0.154 mi. Troy-St. Charles Co. Line Rd., Lincoln Co. $3,667, to M. Haase, St. Joseph, 3.978 mi. Carrollton-Brunswick Rd., Carroll Co. $19,502, 4.084 mi. same road $18,920; to G. W. Condon, Omaha, 30 ft. grading 3.978 mi. same road $26,432, to Hamilton & Hoffman, Carbondale, Ill., 1.5 mi. East Fork Chariton Creek-Macon Rd., Macon Co. $22,932, to Koch & McGlone, Calhoun, 3.141 mi. road from Harrisonville south, Cass Co. $12,966, 4.442 mi. same road $20,381, and 4.753 mi. same road $14,585; to Cook O'Brien Constr. Co., Kansas City, grading and 18 ft. concrete paving 4.547 mi. road from Sedalia north, Pettis Co. $164,311, to V. E. Koch, Joplin, 2.417 mi. Jasper-Barton Co. line Rd., Jasper Co. $49,171, to Harrison Eng. & Constr. Corp., Kansas City, 2.607 mi. Union East-U. S. Route 60, Franklin Co. $60,351, and 4.779 mi. same road $153,456; to Stonner & Deering, Chamois, 30 ft. grading and 18 ft. graveling 0.117 mi. Union East-U. S. Route 60, Franklin Co. $36,822; to Newton Constr. Co., Columbia, 16 ft. graveling 4.615 mi. Martinsburg-Wellsville Rd., Montgomery Co. $15,364; to B. D. McColby & Son, Rensselaer, Ind., 18 ft. graveling 4.933 mi. road from Slater east, Saline Co. $9,884, and 4.115 mi. same road $7,547, to Chaney & Amyx, Licking, 0.84 mi. Thayer-Alton Rd., Oregon Co. $6,836, to Tyner Constr. Co., Kansas City, grading and 18 ft. concrete paving 3.129 mi. Rich Hill-Nevada Rd., Vernon Co. $50,218, 5.119 mi. same road $57,596, 1.236 mi. road through Nevada, Vernon Co. $30,265, 4.364 mi. Dodson-Hickman Mills Rd., Jackson Co. $102,018, 3.02 mi. Marshall-Slater Rd., Saline Co. $23,486, grading, 4 ft. graveling and 9 ft. concrete paving 4.564 mi. same road $36,106, 4.886 mi. Butler-Vernon Co. line Rd., Bates Co. $86,144, grading and 18 ft. concrete paving 3.593 mi. same road $41,261, 4.051 mi. Butler-Vernon Co. line Rd., Bates Co. $47,999, to Cameron Joyce Smith Elder Co., Keokuk, Ia., 2.337 mi. Bowling Green-Lincoln Co. line Rd., Pike Co. $138,544, 2.751 mi. New London-Pike Co. line Rd., Ralls Co. $39,519, 2.557 mi. same road $35,867, 3.953 mi. Bowling Green-Lincoln Co. line Rd. $78,106, 4.53 mi. Ralls Co. line-Bowling Green Rd. $148,927, and 3.86 mi. same road $88,964, all Pike Co.; to W. A Ross Constr. Co., Kansas City, 30 ft. grading 1.358 mi. Grays Summit-St. Clair Rd., Franklin Co. $71,670, grading and 18 ft. concrete paving 3.724 mi. Lincoln Co. line-Wentzville Rd., St. Charles Co. $122,177, 3.078 mi. same road $116,237, and 0.492 mi. Troy-St. Charles Co. line Rd., Lincoln Co. $25,361, also to C. H. Atkinson, Waterhouse, S. D., 4.653 mi. Brookfield East Route 5, Linn Co. $58,699, and 1.856 mi. same road $23,369. Grand total $2,005,086. Noted Apr. 29.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Webb Boone Paving Co., 5103 Fyler Ave., asphaltic concrete paving, etc., 4,220 sq.yd. Clinton Ave. $24,956, and asphalt paving, etc., 3,150 sq.yd. Magnolia St. $23,715; to Parkinson Bros. Constr. Co., 3237 Carter Ave., brick on concrete paving, etc., 2,645 sq.yd. Thrush St. $17,701; to Bridges Asphalt Paving Co., Buder Bldg., asphaltic concrete paving, etc., 770 sq.yd. Cora St. $6,198, 1,305 sq.yd. Farlin St. $8,790, asphalt paving, etc., 3,095 sq.yd. Garfield Ave. $20,182, and 4,610 sq.yd. Harney St. $33,501; to C. A. Moreno, Syndicate Trust Bldg., asphaltic concrete paving, etc., 3,650 sq.yd. Osceola St. $21,100, and to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., 7,805 sq.yd. Garfield Ave. $27,549; also to Central Paving & Constr. Co., 6161 Maple St., Warrenite paving, etc., 9,555 sq.yd. Connecticut St. $41,285, and 13,275 sq.yd. Wyoming St. $53,895. Grand total $278,872. Noted Feb. 11.

Tex., Hondo—Walton & Arneson, engrs., c/o Gunter Bldg., San Antonio, to Coflazier & Hoff, 910 Austin St., San Antonio, 1 in. bituminous surfacing 11.55 mi. Highway 3, Sect. A, Unit 2, Federal Aid Project 270, $57,964 engrs. est. $62,000, 10.47 mi. same road, Sect. C, $53,392 engrs. est. $56,000, and 7.85 mi. same road, Sect. D, $39,404 engrs. est. 42,000, all above for Medina Co. Grand total $150,760. Noted May 13.

Tex., Wichita Falls—Rein.-con. paving 9 blocks various streets, to L. E. Whitham & Co., Wichita Falls, at $2.90 per sq.ft.

Idaho — Comr. Pub. Wks., office County Comrs., Arco, improving 15.06 mi. Federal Aid Project 117-A, and Federal Aid Project 118-A, to Drummie & Toller, Downey, $56,550; also constructing three 34 ft. span concrete bridge on Federal Aid Project 118-A, and 60 ft. span concrete bridge on Federal Aid Project 118-A, Butte Co., to E. P. Bennett, Boise $17,389. Noted Apr. 29.

Idaho—Commissioner Pub. Wks., office Bannock Co. Comrs., Pocatello, crushed stone surfacing, etc. 56,204 cu.yd. Federal Aid Project 112-A, Bannock Co., to C. A. Robinson, Twin Falls, $137,801. Noted Apr. 29.

Idaho — Commissioner Pub. Wks., c/o Comrs. Bear Lake Co., Paris, grading, surfacing, etc. 8.16 mi. Federal Aid Project 96-B, to Union Constr. Co., Ogden, Utah, $60,406. Noted Apr. 29.

Idaho, Idaho Falls—Comrs. Bonneville Co., grading, bituminous concrete paving, etc., 7.72 mi. Federal Aid Project 14-B and 21-B, Roosevelt and Yellowstone Highways between Idaho Falls and Rigby, to Morrison Knudson Co., Boise, $191,235.

Nevada—State Hy. Dept., Carson City, grading and surfacing 15.15 mi. road from point 7 mi. north of county line to point 5 mi. south of Connors Pass, White Pine Co., to W. Hoops, McGill, $41,131, and 22.48 mi. road from Dutch Johns to point 7 mi. north of county line, White Pine and Lincoln Counties, to Dodge Bros., Inc., Fallon, $60,540; surfacing 6 mi. road from point 6 mi. west of Robinsons Summit to Robinsons Summit, White Pine Co., to J. Ross, Yerington, $22,182, and 5.4 mi. road from west of county line to Virginia City, Storey Co., to J. N. Tedford, Fallon, $19,689. Grand total $143,542. Noted May 27.

California—State Hy. Comn., Sacramento, **(e. e. means engrs. est.)**, concrete widening and asphaltic concrete surfacing approximately 5.1 mi. road between Santa Barbara and Goleta, Santa Barbara Co., to Cornwall Constr. Co., Santa Barbara, $134,709, e. e. $148,008; asphaltic concrete widening and surfacing 2.8 mi. road between point 1 mi. south of Delano and northerly boundary, Kern Co., to Warren Constr. Co., Oakland, $49,419, e. e. $50,928; also concrete widening and bituminous macadam surfacing 6.9 mi. road between San Juan Bautista and Hollister, San Benito Co., to Granite Constr. Co., Watsonville, $133,879, e. e. $131,854. Grand total $318,007. Noted Apr. 22 and May 13.

California—State Hy. Comn., Sacramento, grading and crushed stone surfacing 8.5 mi. road between point 2 mi. east of Sportsmans Hall and Riverton, to Irey & Holden, Lodi, $51,488. Noted May 27.

Calif., Los Angeles — Los Angeles Co., improving Rd. Dist. Impvt. 286 (portion of Artesia Ave.), to United Concrete Pipe & Constr. Co., Ventura, $85,413. Noted May 13.

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Streets and Roads (Continued)

Calif., Los Angeles—Grading and concrete paving approximately 245,000 sq.ft. North Sherman Way between Mulhalland St. and San Fernando Rd., to P. L. Hedrick, 1616 Sanborn Ave., approximately $53,766; and 298,919 sq.ft. Tajunga Ave. between Central Ave. and Ventura Blvd., to Tryon & Brain, Tajo Bldg., approximately $144,525.

Calif., Marysville—Yuba Co., Warrenite bitulithic paving Hammonton Rd., to Warren Constr. Co., 28th and Poplar Sts., Oakland, $32,065.

Calif., Marysville — Grading, curbing, guttering, walks and asphaltic concrete paving, etc. Willow, Orange Sts., etc., to Warren Constr. Co., 28th and Poplar Sts., Oakland, $52,300.

Calif., Monterey—A. J. Mason, city clk., asphalt paving, etc., Ocean and Park Aves., to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, $57,548; also concrete paving, etc., Del Monte Ave., to J. L. Conner, Monterey, $42,146. Noted Apr. 28.

Calif., Pacific Grove—Curbing, guttering and 1½ in. on 2½ in. asphaltic concrete paving, etc., portions Lighthouse Ave., to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, $47,416.

Calif., Redwood City — Warrenite bitulithic surfacing portions Davis, Oliver, King Sts., to Hanrahan Co., Standard Oil Bldg., San Francisco, $38,555.

Calif., Riverside—Riverside Co. widening with concrete shoulders 17.3 mi. road between Whitewater River and Edom, to Matich Bros., Elsinore, $103,395. Noted May 20.

Calif., San Carlos — To Hanrahan Co., Standard Oil Bldg., San Francisco, improving various streets, 5,000 cu.yd. grading at $0.60 per cu.yd., 115,000 sq.ft. scarify $0.03 175,000 sq. ft. 2 in. asphaltic concrete surfacing $0.95 56,500 sq.ft. 6 in. concrete paving $0.23 and 60,000 sq.ft. 6 in. waterbound macadam base $0.05, etc. total $61,-100. Noted Apr. 15.

Calif., Santa Rosa — Grading, curbing, guttering and asphaltic concrete surfacing portions Glenn, Johnson, 10th Sts. etc., to Clark & Henery Constr. Co., Chancery Bldg., Santa Rosa, to exceed $25,000.

Calif., Santa Rosa—W. W. Felt, Jr., clk. Sonoma Co., concrete paving, etc. 1,600 cu.yd. Dutton Ave., to Hansen, Conners & Ede, Rosenberg Bldg., $21,365. Noted Apr. 29.

Washington—State Hy. Dept., Olympia, **(F. A. P. means Federal Aid Project)** grading 193,000 cu.yd. F.A.P. 161-A, Yakima Co., to Myers & Goulter, 607 Cherry St., Port Angeles $141,019, 86,000 cu.yd. F.A.P. 148-B, Kittitas Co., to Woldson & Degerstrom, 445 Peyton Bldg., Spokane $29,409, 73,000 cu.yd. S.R. 9, Jefferson Co., to A. Besoloff, 715 12th Ave., Seattle $36,-402, and 126,000 cu.yd. S.R. 9, Clahham Co., to James Allen Eng. Co., Chambers Bldg., Olympia $80,950. Grand total $287,780. Noted Apr. 22.

Wash., Colfax — Whitman Co., grading and surfacing 7 mi. Lamont-Ewan Highway, to F. R. Hewitt, Spokane, $50,832.

Wash., Port Townsend — Jefferson Co., constructing 2 mi. Chimacum Highway, Sect. 7, to J. Coyne, Port Townsend, $25,-500.

Wash., Seattle — Comrs. King Co., constructing 2.22 mi. Kirkland-Redmond Short Line Highway, to Wilburn & Stone, 1100 Fairview Ave. $29,000. Engrs. est. $35,-000. Noted Apr. 29.

Que., Chartierville — Town Council, E. Landry, secy.-treas., will gravel 1½ mi. road, by day labor. $40,000.

Ontario—Dept. Provincial Hys., Toronto, macadam paving 2.56 mi. Contr. 1283, and 7.3 mi. Contr. 1284 $100,000, to A. E. Jupp Constr. Co., Ltd., 170 Berkeley St., Toronto, $35,000 and $100,000 respectively; concrete paving 12.26 mi. Contr. 1292, to Dufferin Constr. Co., Bathurst St., Toronto, $300,000, and 4.58 mi. Contr. 1293, to W. King, Oakville, $125,000; bituminous penetration macadam paving 5.8 mi. Contr. 1294, and 3.68 mi. Contr. 1296 $65,000, to E. Irvine Co. Ltd., Alexandria, $80,000 and $65,000 respectively, 7.34 mi. Contr. 1295, to Law Constr. Co. Ltd., 50 Yonge St. Arcade, Toronto, $120,000, 5.43 mi. Contr. 1297, to Grant Bros. Constr. Co., Banque Nationale, Ottawa, $100,000, 4.3 mi. Contr. 1298, to H. T. Routly, 90 Jarvis St., Toronto, $65,-000, 0.5 mi. Contr. 1300, to G. Farmer & Sons, 45 Bertrand Ave., Ottawa, $8,000, and 2.31 mi. Contr. 1301, to F. R. Wilford & Co. Ltd., 17 William St. N., Lindsay, $30,000.

Ont., Bridgeburg — Concrete paving Gilmour St., to Godson Co., 203 Richmond St. W., Toronto, $70,000.

Ont., Hamilton—Suburban Hys. Comn., paving various streets, to Brennan Paving Co., Melrose Ave., $60,000.

Ont., Kingston — Kingston Suburban Roads Comn., 70,000 gal. road oil on various roads, to Municipal Road Spraying & Oiling Co., Confederation Life Bldg., Toronto, $0.29607 per gal.

Ont., Lucknow — Bruce Co. concrete paving 19,090 yd. various streets, to M. Mitchell, Lucknow. Engrs. est. $35,000.

Saskatchewan—Dept. Hys., Regina, roadwork between Crichton and Scotsguard, to A. G. and E. B. Young, Unity. Engrs. est. $26,000.

B. C., Point Grey — Paving various streets, to Armstrong & Morrison Paving Co., 543 Granville St., Vancouver, concrete $15,309; to Dawson, Wade & Co. Ltd., Bekins Bldg., Vancouver, concrete $5,870; and to Columbia Bitulithic Co., 402 Pender St. W., Vancouver, asphalt $6,027. Grand total $27,206. Engrs. est. $30,000.

B. C., West Vancouver — Bituminous macadam paving various streets, to Cotton Co., Ltd., False Creek Yards, Vancouver, $66,000. Noted Feb. 4.

Buildings—Commercial

Proposed Work

Mass., Dorchester (Boston P. O.) — MASONIC — Dorchester Masonic Building Assn., 77 Summer St., Boston, plans 3 or 4 story and basement, brick, here. $200,000. Engineer and architect not selected.

Mass., Falmouth—STORE and APARTMENT—A. A. Williams, Holliston, having sketches made by J. W. Beal Sons Co., 185 Devonshire St., Boston, 3 or 4 story and basement, brick and stone store and apartment. To exceed $150,000.

Mass., Newton (Ind. br. Boston) — THEATRE—G. J. Martin & associates, 349 Commonwealth Ave., plans 1 and 2 story and basement, brick and steel theatre. $150,000-$200,000. Engineer and architect not selected.

Mass., Peabody — RECREATION — St. Josephs Juniorate-Zaverian Order, having sketches made by M. Sullivan, 100 Boylston St., Boston, 2 story and basement, brick, Andover St. $150,000.

R. I., Westerly — STORE and OFFICE —Westerly Power & Light Co., Main St., having preliminary plans prepared by Jackson, Robertson & Adams, Turks Head Bldg., Providence, brick, High St. $150,000 or more.

Conn., Greenwich — HOSPITAL — St. Luke's Hospital soon lets contract 3 story and basement, 145 x 200 ft., brick, stone and steel hospital. $900,000. W. S. Gregory, 1170 Bway., New York City, archt.

Conn., Hartford — RECREATION — P. Mount, West Hartford, c/o C. H. Matthews, archt., 48 Campbell Ave., having plans prepared 4 story and basement, 95 x 125 ft., rein.-con. and stone, 20-30 Raymond Rd., here. $180,000.

Conn., Meriden — TEMPLE — Masonic Temple Assn., raising $150,000 or more funds, 1 story and basement, 70 x 100 ft., brick and marble, 104 East Main St. W. T. Arnold, 34 Main St., archt.

Conn., New Britain—THEATRE—Owner, c/o G. Le Witt, 299 Main St., plans large theatre, Washington St. To exceed $150,000.

Conn., New Haven—BUSINESS—**Landay** Bros., 801 Chapel St., having plans prepared by R. W. Foote, 185 Church St., 5 story, brick and steel, Chapel St. To exceed $150,000.

Conn., New Haven—THEATRE—Associated Theatres, c/o J. Weinstein, archt., Metropolitan Bldg., Chapel St., having plans prepared brick and steel, Norton St. $150,000.

N. Y., Albany — HOSPITAL — Albany City Hospital having revised plans prepared by Berlin & Swern, archts., 19 South La Salle St., Chicago, Ill., hospital, here. $700,-000. Noted Feb. 14, 1924.

N. Y., Kenmore — Y. M. C. A., R. R. Brockett, chn. Building Com., plans Y. M. C. A. building, Delaware Ave. $200,-000.

N. Y., New Rochelle—BATH HOUSE—Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, rejected bids May 10, bath house at Glen Island Park, here, Contr. 58. Noted May 13.

N. Y., New York—APARTMENT—Elbers Realty Corp., c/o E. Roth, engr. and archt., 119 West 40th St., having plans prepared 14 story, brick, steel and stone, plain foundation, Park Ave. and 90th St. $600,-000.

N. Y., New York—APARTMENT—One Hundred One West Kingsbridge Road Corp., c/o G. G. Miller, engr. and archt., 1482 Bway., having plans prepared 6 story, brick, steel and stone, plain foundation, University Ave. $800,000.

N. Y., New York — APARTMENT — Arthur Holding Corp., c/o Springsteen & Goldhammer, engrs. and archts., 32 Union Sq., having plans prepared 5 story, brick, steel and stone, plain foundation, Isham St. $250,000.

N. Y., New York — OFFICE — Zimdorf Realty Co., c/o G. and E. Blum, engrs. and archts., 505 5th Ave., having plans prepared 16 story, brick, steel and stone, plain foundation, 257 West 38th St. $500,000.

N. Y., New York — OFFICE — Pinaud Real Estate Corp., c/o Buchman & Kahn, engrs. and archts., 49 West 45th St., having plans prepared 7 story, brick, steel and stone, plain foundation, 214 East 21st St. $200,000.

N. Y., New York—RESTAURANT—F. G. Shattuck Co., 60 West 23rd St., having plans prepared by G. B. Post & Sons, engrs. and archts., 101 Park Ave., brick, steel and stone, plain foundation, 279 Bway. $300,000.

N. Y., New York—THEATRE and OFFICE—Rose Marie Holding Co., c/o H. J. Krapp, engr. and archt., 1650 Bway., having plans prepared 13 story, brick, steel and stone, plain foundation, 211 West 53rd St. $750,000.

N. Y., New York—WAREHOUSE—J. A. Frissco, c/o Moore & Dunford, engr. and archt., 110 East 42nd St., having plans prepared rein.-con., brick and steel, plain foundation Macoombs Rd. and 172nd St. $175,000.

N. J., Newark—APARTMENT—R. Van Dwyne, Inc., c/o J. S. Peterkin, engr. and archt., 50 East 42nd St., New York City, having plans prepared brick, steel and stone, plain foundation, Mount Prospect Ave. $700,000.

N. J., Newark — MAUSOLEUM — Fairmount Cemetery Assn., H. B. Lehlbach, pres., South Orange Ave., having plans prepared by W. H. Deacy, engr. and archt., 681 5th Ave., New York City, 3 story, 90 x 310 ft., concrete, granite and marble, Fairmount Cemetery. $1,000,000.

N. J., Newark—THEATRE and OFFICE —Beacon Theatre, c/o T. W. Lamb, engr. and archt., 644 8th Ave., New York City having plans prepared 12 story, brick, steel and stone, plain foundation, Board St., here. $1,500,000.

Pa., Ardmore — APARTMENT — W. M. Stanton, archt., 1524 Chestnut St., Phila., making plans 3 story and basement, 100 x 125 ft., stucco and timber, plain foundation, here. Owner's name withheld.

Pa., Connellsville — HOSPITAL — Connellsville Hospital Assn. having plans prepared by H. C. Frank, 2nd Natl. Bank Bldg., 3 and 4 story and basement, brick and steel hospital. $350,000.

Pa., Phila.—APARTMENT—J. P. Eckert, Commercial Bldg., having plans prepared by W. F. B. Koelle, Otis Bldg., 3 story and basement, 100 x 250 ft., rein.-con., brick and steel, plain foundation, 5427 Wayne Ave. $500,000.

Pa., Phila. — THEATRE — Juniper & Cherry St. Corp., c/o R. Beneckert, archt., Bellevue Court Bldg., and H. J. Kropp, archt., 1 West 47th St., New York City, N. Y., having revised plans prepared 1 story, mezzanine and basement 114 x 180 ft., rein.-con., brick and steel, plain foundation, Cherry and Juniper Sts. Noted Apr. 1.

Md., Baltimore — ADMINISTRATION — May 29, by H. I. Kavanagh, archt., 916 North Charles St., 4 story and basement, 77 x 161 ft., stone and steel, plain foundation, Wilkens Ave., for St. Marys Industrial School for Boys, Wilkens Ave. $200,000.

Md., Baltimore—ARCADE and STORE—New York & Baltimore Realty Co., c/o F. R. Callis, Jr., archt., Hearst Tower, plans 2 story and basement, 110 x 125 ft., brick and steel, plain foundation, Baltimore St. and Fremont Ave. $150,000.

N. C., Greensboro—OFFICE and STORE —H. S. Richardson, et al., plans 4 story and basement, first 2 floors 75 x 140 and other 2 floors 50 x 75 ft., brick, tile and concrete, North Elm St. $150,000. H. Barton, Greensboro, archt.

N. C., Greensboro — THEATRE — Natl. Amusement Co., T. G. Leitch, pres., having plans prepared by J. W. Workman, Greensboro, 6 story and basement, 100 x 160 ft., brick and terra cotta, Greene St. $500,000.

Fla., Bradenton—ARCADE—J. C. Walters, 720 East Capitol St., Springfield, Ill., having plans prepared by Dillard & Rowe, Bradenton, "Walcade Building," 100 x 100 ft., Court St. and Washington Ave. $175,000.

Fla., Clermont—HOTEL—A. McKenny, mayor, and associates, having plans prepared by G. L. Preacher Co., Wayne-Claughton Bldg., Atlanta, Ga., 9 story hotel, Montrose Ave. $150,000.

Fla., Sarasota — HOSPITAL — Election June 22, $175,000 bonds, hospital addition.

Miss., Biloxi — HOTEL — C. Matthes, archt., soon takes bids 6 story fireproof hotel, for Darries Hotel Co. $500,000. Noted May 6.

La., Baton Rouge — THEATRE — Columbia Theatre, Inc., A. Higginbotham,

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mgr., plans 64 x 128 ft. theatre, 3rd and Convention Sts., $250,000.

O., Bellaire — GARAGE and SALES-ROOM—Bellaire Neff Bus. Co., N. O. La Roche, pres., having plans prepared by Austin Co., 16112 Euclid Ave., Cleveland, 2 story and basement, 120 x 200 ft., brick, steel and concrete garage and salesroom. $150,000.

O., Cleveland — AUTO SALES and SERVICE—Barnes Motor Co., (Dodge Bros. Agency), c/o W. P. Barnes, pres., 1938 East 21st St., having plans prepared by C. S. Schneider, 1836 Euclid Ave., 1 and 2 story, brick, steel and concrete, 2830 Prospect Ave. $150,000. Noted May 13.

O., Cleveland — COMMERCIAL and APARTMENT — A. Cramer, 11503 Saywell Ave., had plans prepared by M. Weis, Union Bldg., 2 story and basement, 60 x 111 ft., brick and steel, East 140th St. and Lake Shore Blvd. $150,000.

O., Columbus—OFFICE and STORE—W. K. Lanman, 20 South 3rd St., having sketches made 7 story and basement, 93 x 107 ft., brick, steel and concrete, South 3rd St. $400,000.

O., Portsmouth — TEMPLE — Masonic Temple Assn., C. M. Howland, ch. building com., having sketches made Masonic Temple. 400,000.

Ind., Anderson — APARTMENT — Syndicate having plans prepared by E. F. Miller, Anderson, 3 story, 144 x 226 ft., brick and steel, plain foundation, West 10th St. $260,000.

Ind., Anderson — APARTMENT and STORE—P. H. Cates, 28 West 9th St., plans 3 story, 120 x 144 ft., brick and concrete, 12th and Jackson Sts. $175,000.

Ind., Ft. Wayne—RECREATION—General Electric Co., 1703 Bway., takes bids June 11, brick and steel recreation building. $150,000. Private plans.

Mich., Detroit—APARTMENT—R. Finn, archt., 415 Brainard St., preparing plans 4 story and basement, 100 x 200 ft., rein.-con., brick and steel, plain foundation, East Jefferson Ave. $450,000. Owner's name withheld.

Mich., Detroit — APARTMENT — T. C. Hughes, archt., 2615 Joy Rd., preparing plans 4 story and basement, 120 x 145 ft., rein.-con., brick and steel, plain foundation, Roosevelt Park. $400,000. Owner's name withheld.

Mich., Detroit—GARAGE—Detroit Cab Co., 565 East Larned St., having plans prepared by Carey & Esselstyn, 602 Hoffman Bldg., 2 story, rein.-con. and brick, plain foundation, Trumbull Ave. and Plum St. $160,000.

Mich., Detroit—Y. M. C. A., A. G. Studer, secy., Adams Ave., having plans prepared by A. Kahn, 1000 Marquette Bldg., northwest branch, by Malcolmson & Higginbotham, 1217 Griswold St., west side branch, and by R. Derric, Inc., 120 Madison Ave., southeast branch, all 3 story and basement, rein.-con., brick and steel, plain foundations, incl. swimming pools. Each $500,000. Noted Mar. 25.

Ill., Chicago — APARTMENT — F. N. Brons & Co., 1021 North Dearborn St., having sketches made by E. J. Meles, 105 West Monroe St., 3 story and basement, 75 x 160 ft., brick and stone, North La Salle St. near Carl St. $150,000.

Ill., Chicago—APARTMENT HOTEL—Syndicate, c/o Leichenko & Esser, archts., 38 South Dearborn St., had plans prepared 4 story, 100 x 149 ft. apartment hotel, 79th St. and Lowe Ave. $350,000. Noted Apr. 15.

Wis., Eau Claire—HOSPITAL—Sacred Heart Hospital, North Dewey St., having plans prepared by Foeller, Schober & Stephenson, Nicollet Bldg., Green Bay, 3 story and basement, 44 x 125 ft., rein.-con. and brick addition, plain foundation. $150,000.

Wis., Fond du Lac — HOTEL — Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee, having revised plans prepared by M. Tullgren & Sons, 9 Waverly Pl., Milwaukee, 8 story and basement, 50 x 87 ft., brick, concrete and terra cotta addition to Retlaw Hotel, plain foundation. $350,000. Noted May 6.

Mo., Excelsior Springs — CLUB and HOTEL — L. L. Brown, et al., Hiawatha Hotel, having plans prepared 9 story and basement, 135 x 160 ft., rein.-con., plain foundation, Bway. $1,000,000.

Mo., Kansas City—STORE and OFFICE—Browning, King & Co., 11th and Grand Sts., indefinitely postponed project for 4 story and basement store and office building. Holt, Price & Barnes, 800 Davidson Bldg., archts. Noted Aug. 13.

Mo., St. Louis — APARTMENT, STORE and OFFICE — Local Syndicate, c/o T. L. Coleman, Park Savings Trust Co., 7060 Clayton Ave., having preliminary plans prepared by A. B. Ridington, Fullerton Bldg., rein.-con., brick, stone and terra cotta, Kingshighway Blvd. $1,000,000.

Tex., Abilene—HOTEL—Abilene Hotel Co. having plans prepared by D. S. Castle Co., 701-4 Alexander Bldg., 9 or 10 story, basement and roof garden, 100 x 140 ft., rein.-con., brick and stone, plain foundation. $400,000.

Tex., Corpus Christi — HOTEL — J. N. Poulos & associates, 116 Tolle St., San Antonio, purchased site and plan 6 story, rein.-con., brick, stone or stucco, plain foundation, Champarral and Aubrey Sts. $250,000.

Tex., Corpus Christi — HOTEL and OFFICE — J. E. Garrett & associates, having preliminary plans prepared by W. C. Hedrick, 1st Natl. Bank Bldg., Ft. Worth, 14 story and basement, 100 x 150 ft., brick, stone and rein.-con. Lawrence and Chaparral St. $1,250,000.

Tex., Dallas—LODGE—Masonic Temple Corp., J. L. Burgess, Southland Life Bldg., plans lodge, Harwood St. $1,000,000. Engineer and architect selected soon.

Tex., Houston — HOTEL — Suburban Development Co., c/o F. S. Glover, pres., 604 Binz Bldg., having plans prepared by L. A. Glover, 604 Binz Bldg., 15 story and basement, 100 x 100 ft., brick, steel and terra cotta, Main St. and Rosalie Ave. $1,000,000.

Tex., Houston—OFFICE—J. M. West, West Bldg., plans 28 story, 128 x 154 ft., brick, stone and rein.-con., Main St. and Walker Ave. $3,000,000. Engineer and architect not selected.

Tex., Laredo—HOTEL—M. Little having preliminary plans prepared 7 to 10 story and basement, rein.-con. and brick addition to Hamilton Hotel, plain foundation. $150,000. C. M. Schoenfield, 324 Hunstock Ave., San Antonio, assisting with preliminary plans. Engineer and architect selected soon.

Tex., Mineral Wells — HOTEL — Baker Hotels of Texas, c/o T. B. Baker, c/o Gunter Hotel, San Antonio, having plans prepared by H. S. Green, c/o Alamo Natl. Bank Bldg., San Antonio, 7 story, basement and roof garden, 250 room, rein.-con., brick and stone, plain foundation, here. $700,000. Noted May 6.

Tex., Port Arthur—ARMORY—See "Contracts Awarded."

Tex., San Antonio—OFFICE—Natl. Bank Commerce, c/o J. K. Bereta, pres., soon takes bids 5 story, rein.-con. and brick top addition, Soledad St. $200,000. Private plans.

Colo., Denver — OFFICE — Woodmen of the World, 1447 Tremont St., plans office, Tremont St. between 13th and 14th Sts. $175,000. Engineer and architect not selected.

California — CLUB — Stanislaus Co. (Modesto) voted $50,000 bonds for Veterans Memorial Club buildings at Turlock; $50,000 bonds at Newman, $30,000 bonds at Patterson, $30,000 bonds at Oakdale, $15,000 bonds at Riverbank.

Calif., Albany—THEATRE—Blumenfeld Theatre Circuit, 298 Turk St., San Francisco, having plans prepared by Reid Bros., 105 Montgomery St., San Francisco, probably rein.-con., Main St., here. $200,000.

Calif., Burlingame—STORE and OFFICE—Allen & Co., 168 Sutter St., San Francisco, having plans prepared by E. B. Bertz, 168 Sutter St., San Francisco, 2 story, probably rein.-con., Bway. and Capuchino Ave. $150,000.

Calif., Daly City—THEATRE—C. H. Jensen, archt., Santa Fe Bldg., San Francisco, making preliminary plans rein.-con., Mission St. $150,000. Owner's name withheld.

Calif., Los Angeles—APARTMENT—B. Shapiro, 732 South Mariposa Ave., had plans prepared by E. B. Rust, Black Bldg., 4 story and basement, 56 x 125 ft., brick, Mariposa Ave.

Calif., Los Angeles—BANK and OFFICE—Peoples Holding Co., c/o A. R. Menaco, archt., Pershing Square Bldg., having preliminary plans prepared 12 story and basement, 40 x 160 ft., rein.-con., South Hill St.

Calif., Los Angeles — OFFICE and STORE—C. Laemle, Universal City, plans 5 story (ultimately 12 story), fireproof, Vine St. and Hollywood Blvd. $350,000 (ultimately $500,000).

Calif., Los Angeles—OFFICE—Financial Dist. Building Corp., having preliminary plans prepared by E. L. Mayberry, Transportation Bldg., 13 story and basement office building, 819 South Hill St.

Calif., Los Angeles — OFFICE — A. G. Bailey, archt., Hillstreet Bldg., preparing preliminary plans 12 story and basement, fireproof, 8th and Spring Sts. To exceed $250,000. Owner's name withheld.

Calif., Los Angeles — WAREHOUSE — City having plans prepared by Architectural Dept. of Bd. Educ., fireproof school warehouse addition. $270,000.

Calif., Modesto — COURTHOUSE — Stanislaus Co. plans election bonds to exceed $150,000, fireproof courthouse. Dana-Pearce Co., Inc., California and Weber Sts., Stockton, archts. Noted Jan. 7.

Calif., Oakland—CLUB—Oak Knoll Land Corp., 1918 Bway., had plans prepared by W. J. McCormack, 1918 Bway., 2 story, frame and stucco, Sequoyah Rd. $150,000.

Calif., Oakland — HOTEL — Drake Investment Co., c/o Miller & Pflueger, archts., 580 Market St., San Francisco, having plans prepared 21 story and basement, San Pablo Ave., 18th, 19th and Jefferson Sts. $2,250,000.

Calif., Pasadena — APARTMENTS — Maryland Hotel Co., Maryland Hotel, having preliminary plans prepared by E. J. Rust, Black Bldg., Los Angeles, 6 story, 80 x 70 ft., rein.-con., and 3 story, 50 x 150 ft., brick apartments.

Calif., Pasadena—WAREHOUSE—Pacific Terminal Warehouse Co., had plans prepared by W. P. Neil, Tower Bldg., 6 story, 200 x 200 ft. warehouse, Pasadena Ave. To exceed $150,000. General construction warehouses are also contemplated in Los Angeles, Wilmington and other Southern California Cities.

Calif., Sacramento — MAUSOLEUM — West Coast Mausoleum Assn., c/o C. L. Jay, archt., 845 East Washington St., Pasadena, having plans prepared rein.-con. and marble, Masonic Cemetery. $300,000.

Calif., San Bernardino—THEATRE—A. Pantages, Pantages Theatre Bldg., San Francisco, having preliminary plans prepared by B. M. Pretica, Pantages Theatre Bldg., San Francisco, fireproof theatre. To exceed $150,000.

Calif., San Diego — HOTEL — Syndicate having plans prepared by J. and D. B. Parkinson, 420 Title Insurance Bldg., Los Angeles, 13 story, 200 x 200 ft. hotel, A St. between 2nd and 3rd Sts. $1,250,000.

Calif., San Diego — OFFICE — Interests headed by R. M. Andrews, Union Natl. Bank Bldg., plans office building, 5th St. To exceed $750,000.

Calif., San Francisco—APARTMENT—Stock, Maas & Sauer, 251 Kearny St., had plans prepared by A. H. Larsen, 447 Sutter St., two 4 story and basement, concrete, Clay St. near Van Ness Ave. $80,000 each.

Calif., San Francisco—CLUB—Interests headed by J. B. Detwiler, having preliminary plans prepared by F. Todhunter, 2424 Larkin St., club, Sutro Heights. $750,000, incl. swimming pool, tennis courts, putting greens, etc. Total $1,000,000.

Calif., San Francisco — HOSPITAL — Green Opthalmic Institute, 853 Hyde St., having plans prepared fireproof, Bush and Octavia Sts. $150,000. Engineer and architect not selected.

Calif., San Francisco—HOTEL—Marian Realty Co., 110 Sutter St., having preliminary plans prepared by A. H. Larsen, 447 Sutter St., 16 story and basement, steel and rein.-con., 9th Market Sts. $500,000 or more.

Calif., Santa Monica — HOSPITAL — Pacific Beach Hospital, Inc., having preliminary plans prepared by W. H. Shaw, 1747 Maltman Ave., Los Angeles, 7 story and basement, steel, Pacific Ave. and 4th St. $1,000,000.

Calif., Taft—HOTEL—S. Orloff had preliminary plans prepared by Edelman & Barnett, H. W. Hellman Bldg., Los Angeles, 5 story, 75 x 125 ft. hotel, 5th and North Sts. $215,000.

Ont., Halleybury—HOSPITAL—Sisters of Providence, 1431 Fullum St., Montreal, Que., having plans prepared by J. Sawyer, 407 Guy St., Montreal, Que., 3 story and basement, 50 x 125 ft., rein.-con., brick and steel, Georgina Ave. $200,000.

Ont., Kitchener—HOSPITAL—Cities of Kitchener and Waterloo plan 3 story, rein.-con., brick and steel, plain foundation. $150,000. Engineer and architect not selected.

Ont., Ottawa—APARTMENT—Syndicate, Thompson & Scott, agts., 62 Bank St., plan 8 story, 51 x 91 ft., rein.-con. and brick, Somerset and Cartier Sts. $300,000. F. Peden, 4a McGill College, Montreal, Que., archt.

Ont., Ottawa—APARTMENT—F. Peden, archt., 65 McGill College, Montreal, Que., preparing plans and soon takes bids 8 story and basement, 90 x 116 ft., rein.-con., limestone and brick, plain foundation, Somerset St., here, for Avon Court Apartment, Ltd., Ottawa. $400,000.

Ont., Toronto — HOSPITAL — Toronto East General Hospital, 133 Danforth Ave., plans 5 story and basement, 100 room, rein.-con., brick and steel, plain foundation, Cox well and Sammon Aves. $500,000. Engineer not selected.

Ont., Toronto — HOSPITAL — Wellesley Hospital, Homewood Pl., having plans prepared by Stevens & Lee, 62 Charles St. E.,

Buildings—Commercial (Continued)

3 story and basement, rein.-con., brick and steel addition, plain foundation. $150,000.

Ont., Toronto—PRESS BUILDING—University of Toronto, Queens Park, having plans prepared by Darling & Pearson, 2 Leader Lane, 2 story and basement, rein.-con., brick and steel addition, plain foundation, Queens Park. $150,000.

Ont., Waterloo—OFFICE—Mutual Life Assurance Co., King St. S., having plans prepared by Darling & Pearson, 2 Leader Lane, Toronto, 4 or 5 story, rein.-con., brick and steel, plain foundation, King St. E. $250,000.

Alta., Edmonton—OFFICE and STORE—C. Woodward, Hastings and Abbott Sts., having plans prepared by Magoon & McDonald, Tegler Bldg., 3 story, 75 x 100 ft., concrete, brick and steel, 101st and 102nd Aves. $250,000.

Alta., Edmonton—STATION—Canadian Natl. Ry., W. A. Kingsland, genl. mgr., 230 St. James St., Montreal, Que., having plans prepared rein.-con., brick and stone station, here. $500,000. Private plans.

Man., Winnipeg — APARTMENT — M. Cantwell, c/o Oldfield, Kirby & Gardner, agts., 234 Portage St., having plans prepared by W. Finglund, 1313 Fort St., 6 story and basement, rein.-con., brick and stone, Carlton and St. Marys Sts. $275,000.

Bids Desired

Me., Portland—OFFICE—See "Unclassified."

Mass., Amherst — THEATRE, STORE, OFFICE, etc.—J. T. Sheehan, 57 College St., taking bids 1 and 2 story and basement, 95 x 175 ft., rein.-con., brick and steel, Main St., $150,000 or more. J. A. Tuck, Park Sq. Bldg., Boston, archt.

Mass., Arlington (br. Boston)—STORE—See "Contracts Awarded."

Mass., Boston—HOTEL—Hotel Minerva, H. C. Demeter, proprietor, 216 Huntington Ave., taking bids on revised plans 4 story and basement addition. $150,000. F. A. Norcross, 46 Cornhill, archt.

Mass., Boston — STORE and OFFICE — Owner, c/o C. A. Hoyle, agt., 35 Newbury St., taking bids 5 story and basement, brick and stone, Newbury St. $150,000. Coolidge & Carlson, 80 State St., archts.

Mass., Brookline (br. Boston)—STORE, OFFICE and BOWLING ALLEYS—See "Contracts Awarded."

Mass., Cambridge (Boston P. O.) — STORE and OFFICE—E. Sage, Brattle St., taking bids 2 story and basement, 60 x 145 ft., brick and stone, Church and Brattle Sts. $150,000. R. C. Grovestein, Brattle St., archt. Noted May 20.

Mass., Greenfield—HOSPITAL—Franklin Co. Pub. Hospital taking bids 3 story and basement, brick and stone, High St. $150,000. Kendall, Taylor & Co., 142 Berkley St., Boston, archts. Noted Apr. 22.

Mass., Jamaica Plain (Boston P. O.)—STORE and OFFICE — See "Contracts Awarded."

Mass., Roxbury (Boston P. O.)—ADMINISTRATION—Peter Bent Brigham Hospital, Van Dyke St., Roxbury, taking bids 6 story and basement, 34 x 37 ft., and 34 x 40 ft., rein.-con., brick and steel addition. $150,000. Codman & Despradelle, 27 Kilby St., archt.

Mass., Somerville (Boston P. O.) — APARTMENT — See "Contracts Awarded."

Conn., Stamford — APARTMENT — See "Contracts Awarded."

N. Y., Albany — BANK — June 10, by Home Savings Bank, North Pearl St., 19 story, brick, steel and stone, plain foundation, North Pearl St., Dennison & Hirons, 288 Lexington Ave., New York City, engrs. and archts. Noted Apr. 22.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York — THEATRE — See "Contracts Awarded."

Pa., Pittsburgh—THEATRE—June 9, by Loew Theatrical Enterprises, 1540 Bway., New York City, N. Y., 3 story and basement, brick, steel and limestone, 6th St. and Penn Ave., here. $1,000,000. T. M. Lamb, 644 8th Ave., New York, N. Y., archt.

Md., Baltimore—LODGE—June 10, by C. N. and N. Friz, archts., Lexington Bldg., 5 story and basement, 81 x 150 ft., brick and steel, plain foundation, Charles and Preston Sts., for Knights of Pythias, Gay and Lexington Sts. $250,000. Noted May 14.

N. C., Charlotte—COURT HOUSE—June 17, by R. N. Hood, chn. Mecklenburg Co. Comrs., 4 story and basement, brick, stone and steel, East Ave. $400,000. L. H. Asbury, 1514 East 4th St., archt. Noted July 23.

Tenn., Memphis—CLUB, etc.—June 15, by Elks Club, Jefferson St., W. P. Lowens, chn. Finance Com., having plans prepared by G. Mahan, Jr., 434 North Evergreen St., 12 story, brick, stone, tile and terra cotta, incl. stores, swimming pool, etc., North Front and Jefferson Sts. $1,000,000.

O., Cleveland — APARTMENT — M. Margolin, 1489 East 106th St., taking bids two 3 story and basement, 40 x 142 ft., brick, 1886-90 East 93rd St. $225,000. M. Weis, Union Bldg., archt.

O., Cleveland — COMMERCIAL and THEATRE—Walnut Realty Co., c/o S. H. White, archt., 1032 Schofield Bldg., taking bids 2 story and basement, brick, steel and concrete, East 9th St. and Superior Ave. $400,000.

O., Cleveland — COMMERCIAL and THEATRE—A. Greenwald & S. H. Stecher, 535 Society for Savings Bldg., taking bids 2 story, 110 x 250 ft., brick, steel and concrete, Pearl Rd. and Broadview Rd. $275,000. N. Petti, Williamson Bldg., archt.

Ind., Sullivan—COURT HOUSE—July 7, by Bd. Comrs. Sullivan Co., fireproof court house, on site of present court house, square. $400,000. Noted May 20.

Mich., Detroit — OFFICE and SHOP — A. Kahn, 1000 Marquette Bldg., taking bids 4 story and basement, rein.-con. and brick, plain foundation, Trumbull Ave., for Westinghouse Electric & Mfg. Co., 4584 Maybury Grand. $400,000. Noted Nov. 12.

Ill., Chicago—APARTMENT—R. S. DeGoyler & Co., archts., 307 North Michigan Ave., taking bids concrete and masonry work 16 story and basement, 185 x 220 ft., rein.-con., brick and stone, Sheridan Rd. and Grace St., for E. W. Carlson, Pine Grove and Grace Sts. $2,500,000.

Ill., Chicago—APARTMENT—Leichenko & Esser, archts., 38 South Dearborn St., taking bids 3 story and basement, 98 x 123 ft., brick, plain foundation, 76th St. and South Shore Dr., for P. Berry, c/o architects. $175,000.

Ill., Chicago—OFFICE—B. L. Steif & Co., archts., 307 North Michigan Ave., taking bids 4 story, 150 x 250 ft. top addition, 4750 Sheridan Rd., for H. Emerman, 4750 Sheridan Rd. $500,000.

Wis., Milwaukee — DORMITORY — June 8, by A. J. Kenney, archt., 513 Van Buren St., 3 story and basement, 62 x 110 ft., brick and steel, plain foundation, Clybourn St., for Beldon Realty Co., c/o architect. $150,000. Noted Mar. 25.

Wis., Racine — THEATRE and BUSINESS—June 10, by J. M. Matson, archt., Baker Blk., 2 story and basement, 62 x 110 ft., brick, concrete and stone, plain foundation, 16th St., for S. Dorce, c/o Star Theatre, 16th St. $150,000.

Minn., St. Cloud—HOSPITAL—June 8, by Sisters of St. Benedict, St. Cloud, 6 story, basement and sub-basement, rein.-con., brick and stone hospital, service building, nurses home, etc. $400,000. Schmidt, Garden & Martin, 104 South Michigan Ave., Chicago, Ill., archts. Noted Apr. 29.

Mo., Joplin—THEATRE, etc.—See "Contracts Awarded."

Mo., St. Louis—EMPLOYEES—June 22, by Bd. Pub. Serv., 208 City Hall, 1 story, 36 x 70 ft. assembly hall, 2 story and basement, 36 x 56 ft. recreation building, and two 3 story, 39 x 131 ft. wings, all rein.-con., brick and stone, for City Sanitorium, Arsenal St. $420,000. L. R. Bowen & A. Osburg, archts., and L. R. Bowen & H. Updike, engrs., all of 301 City Hall. Noted May 13.

Mo., St. Louis—STORE and OFFICE—See "Contracts Awarded."

Tex., San Antonio—HOTEL—T. B. Baker Hotel Co., c/o Gunter Hotel, receiving competitive bids altering and constructing additional stores to present hotel, Houston and St. Mary's Sts. $300,000. H. S. Green, Alamo Natl. Bank Bldg., archt. Noted Nov. 20, 1924.

Calif., Huntington Park — STORE and HOTEL—Farrell & Miller, archts., Western Mutual Life Bldg., Los Angeles, taking bids 3 story, 114 x 140 ft., brick, South Pacific Blvd., here, for J. F. McSwain.

Sask., Regina—HOTEL—June 8, by Ross & Macdonald, archts., 1 Belmont St., Montreal, Que., 9 story and basement, 118 x 222 ft., brick, stone and steel, here, for Canadian Pacific Ry., 4 Hospital St., Montreal, Que. $2,500,000.

Contracts Awarded

Vt., Salisbury — HOME — Trustees of Home for Aged Women, A. H. Sturtevent, chn., 2 story and basement, brick, to A. N. Brown, Middlebury. Archts. est. $150,000.

Mass., Arlington (br. Boston)—STORE—R. Baker, 22 Morton St., Dorchester, will build 1 and 2 story and basement, 90 x 150 ft., brick and stone, 1189-95 Massachusetts Ave. $155,000. Work will be done by separate contracts. Private plans.

Mass., Boston—APARTMENT—Trustees "Hotel Tudor," c/o Kilham, Hopkins & Greeley, archts., 9 Park St., Hotel Tudor, 4 story and basement, rein.-con., brick and steel, 35 Beacon St., to I. H. Bogart & Son, 69 Newbury St. Archts. est. to exceed $150,000.

Mass., Boston — OFFICE — DeBlois & Maddison, Barristers Hall, altering and constructing 4 story and basement, brick, 3 Park Sq., to L. D. Willcutt & Sons Co., 146 Summer St. Archts. est. $150,000.

Mass., Boston — OFFICE, etc. — Fort Point Building Trust, c/o M. C. Burton, 1 Federal St., 13 story, 160 x 235 ft., brick and steel, Congress St., to James Stewart & Co., 30 Church St., New York City, and 1 Federal St., Boston. Archts. est. $2,000,000. Noted Apr. 22.

Mass., Brookline (br. Boston)—STORE, OFFICE and BOWLING ALLEYS—R. Simmons, c/o S. S. Levy, archt., will build 2 story and basement, brick and stone, 308-312 Harvard St. $152,000. Work will be done by separate contracts.

Mass., Brookline (br. Boston) — STORE and OFFICE — Waldorf System, Inc., Boston, P. E. Woodward, pres., altering and constructing 3 story and basement, brick, Beacon St., to J. Bowen Co., 184 Dudley St., Roxbury. Archts. est. $150,000.

Mass., Cambridge (Boston P. O.) — STORE and APARTMENT — Hunters Market, J. Hunter, proprietor, 3 story and basement, brick and stone, Huron and Concord Aves., to B. Steinberg, 6 Beacon St., Boston. Archts. est. $150,000.

Mass., Jamaica Plain (Boston P. O.)—STORE and OFFICE—H. Sacks, 2 Browning Ave., Dorchester, will build 4 story and basement, 60 x 125 ft., rein.-con., brick and stone, plain foundation, here. $185,000. Work will be done by day labor. A. Rosenstein, 220 Devonshire St., Boston, archt.

Mass., Lynn — BANK — Commonwealth Savings Bank, 345 Union St., 1 story and basement, brick and stone, plain foundation, Washington St. and Central Ave., to W. T. Dineen, 23 Central Ave. Archts. est. $150,000. Noted May 6.

Mass., Malden (br. Boston)—STORE and OFFICE—Malden Investment Co., c/o C. T. Springall, archt., 50 Concord St., 2 story and basement, brick and stone, Exchange St., to W. H. Bailey Co., 88 Broad St., Boston. Archts. est. $150,000.

Mass., Somerville (Boston P. O.) — APARTMENT — Z. E. Cliff, 29 Powder House Blvd., will build 4 story and basement, brick and stone, plain foundation, Day St. $160,000. Work will be done by separate contracts. W. Littlefield, 9 Hamilton Pl., Boston, archt.

Mass., Springfield — THEATRE and OFFICE — A. S. Friend, 285 Madison Ave., New York City, theatre and office, Main St., here, to J. D. Harrison, 285 Madison Ave., New York City.

R. I., Providence — TEMPLE — Temple Emanuel Society, P. C. Joslin, pres., 3 story and basement, brick, steel and stone, Sessions St. and Morris Ave., to E. Turgeon, 36 Exchange Pl. Archts. est. $250,000. Noted Apr. 22.

Conn., New Haven—APARTMENT and OFFICE—M. Koury, 1430 Dixwell Ave., will build 8 story, 125 x 150 ft., brick and steel, Grove and Church Sts. $500,000. Work will be done by day labor. C. H. Abramowitz, 42 Church St., archt.

Conn., Stamford—APARTMENT—Harris Constr. Co., Inc., 137 Main St., will build 4 story, 60 x 106 ft., brick and steel, Atlantic St. $175,000. Work will be done by separate contracts. Private plans.

N. Y., Brooklyn—HOSPITAL—St. Johns Hospital, Atlantic Ave., 5 story, brick, steel and stone, plain foundation, Atlantic Ave., to W. Kennedy Constr. Co., 215 Montague St. Archts. est. $1,500,000. Noted Apr. 1.

N. Y., New York—APARTMENT—Stomkane Realty Co., c/o Goldner & Goldner, engrs. and archts., 141 West 42nd St., will build 6 story, brick, steel and stone, plain foundation, Creston Ave., by day labor. $400,000.

N. Y., New York—APARTMENT—Kingsbridge Terrace Corp., c/o G. G. Mille:, engr. and archt., 1482 Bway., will build 6 story, brick, steel and stone, plain foundation, Kingsbridge Rd., by day labor. $175,000.

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Buildings—Industrial (Continued)

N. Y., New York — APARTMENT — Sigmund Constr. Co., c/o G. G. Miller, engr. and archt., 1482 Bway., will build brick, steel and stone, plain foundation, Valentine Ave. $150,000. Work will be done by separate contracts.

N. Y., New York—CLINIC—New York Osteopathic Clinic, 35 East 32nd St., brick, steel and stone, plain foundation, East 20th St., to J. I. Downey, 410 West 34th St. Engrs. est. $200,000. Noted Apr. 8.

N. Y., New York — THEATRE — M. Greenberg, c/o O. Goldschlag, engr. and archt., 1482 Bway., will build brick, steel and stone, plain foundation, Westchester Ave. $200,000. Work will be done by separate contracts.

Pa., Phila. — AUCTION SALES — L. P. Kimball, engr. Buildings of Baltimore & Ohio R.R. Co., Baltimore, Md. (1st unit), 2 story, 114 x 1,026 ft., rein.-con. and brick, plain foundation, Delaware Ave. and Jackson St., here, to U. G. I. Contg. Co., Broad and Arch Sts., for Baltimore & Ohio R.R. Co., Baltimore, Md., and Reading Co., Reading Terminal Bldg. $500,000. This corrects report in May 20 issue.

Pa., Phila.—CITY HALL—G. H. Biles, dir. Dept. Pub. Wks., City Hall, general contract 15 story, basement and sub-basement, 100 x 246 ft., rein.-con., brick and granite, caisson foundation, Juniper and Filbert Sts., to G. A. Fuller Co., Morris Bldg., $1,959,356; heating and mechanical equipment, to N. Connelly, 1404 North 18th St., $179,880, etc. Noted May 27.

Pa., Phila. — STORE — Ritter & Shay, archts., Packard Bldg., 10 story and basement, 23 x 200 ft., rein.-con., brick and steel, plain foundation, 929 Market St., to Ketcham & McQuade, 1029 Brown St., for H. C. Kahn & Son, 11th and Filbert Sts. Noted May 6.

Pa., Pittsburgh — Y. M. C. A. (boys branch) North Side, general contract 2 and 5 story and basement, 60 x 100 ft., brick and steel, North Ave. and Monterey St., to Pittsburgh Eng. & Constr. Co., Homewood Ave. Archts. est. $250,000. Noted May 13.

Md., Baltimore—THEATRE—J. J. Zink, archt. 2726 Overland Ave., Baltimore, 1 story and balcony, 61 x 280 ft., rein.-con. and brick, plain foundation, to Betson & Hahn, Frederick, for Stanley-Crandall Co., 934 F St., Wash., D. C. $200,000. Noted Apr. 29.

D. C., Wash. — OFFICE — O. H. Miller, archt., McLachlen, Bank Bldg., 8 story, 50 x 100 ft., rein.-con., brick and steel, plain foundation, 10th and K Sts. N. W., to J. L. Parsons, Jr., Lenox Bldg., for United Brotherhood Carpenters & Joiners, of Amer. Local 132. Noted Apr. 1.

Miss., Hattiesburg — HOSPITAL — Bd. Trustees Methodist Hospital Assn., general contract 3 story, rein.-con., brick and stone hospital, to Wessell Constr. Co., Memphis, Tenn., $158,800. Archts. est. $175,000. Noted Dec. 31.

Miss., Natchez — HOTEL — Hotel Natchez Co., general contract 4 story and basement, concrete and brick, addition Pearl and Franklin Sts., to Estes-Williams Co., Cotton Exch. Bldg., Memphis, Tenn., $96,000. Archts. est. $150,000.

O., Cincinnati — HOSPITAL — Deaconess Hospital, Clifton Ave., 4 story and basement, 80 x 100 ft., brick and rein.-con. plain foundation, Clifton Ave., to F. K. Vaughn Co., 919 Edwards Bldg., $500,000.

O., Cincinnati—OFFICE—S. Hannaford & Sons, 1024 Dixie Terminal Bldg., 3 story and basement, 80 x 125 ft., brick and rein.-con., plain foundation, Sycamore St., to W. Harig Co., 31 East 4th St., $150,000.

O., East Liverpool—HOTEL—R. L. Edmondson, 4 story and basement, 69 x 75 ft., brick addition, East 4th St., to Potters Lumber Co., East Liverpool, $150,000.

O., Lorain—COMMERCIAL and OFFICE —Ohio Pub. Serv. Co., c/o T. O. Kennedy, pres., 1800 B. F. Keith Bldg., Cleveland, 2 story and basement, 50 x 125 ft., brick, steel and concrete, Bway., to L. A. Burgett Co., 6th St. and Bway. Archts. est. $150,000.

O., Shaker Heights (Cleveland P. O.)— EXCHANGE—Ohio Bell Telephone Co., C. Cooper, vice-pres., 4300 Euclid Ave., Cleveland, 2 story and basement, brick and rein.-con., East 158th St. and Kinsman Rd., to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $150,000. Noted Mar. 18.

O., Wickliffe — CLUB HOUSE — Cedarhurst Country Club Co., H. H. Lind, genl. mgr., 1068 Hanna Bldg., Cleveland, 2 story, brick and stucco, Ridge Rd., to Buschman Constr. Co., 662 East 185th St., Cleveland. Archts. est. $150,000. Noted Jan. 28.

O., Youngstown — GARAGE — E. W. Leedy, Stambaugh Bldg., 6 story and basement, 107 x 161 ft., brick and rein.-con. garage, to A. A. Lane Constr. Co., 1869 East 55th St., Cleveland. Archts. est. $300,000. Noted May 13.

Ind., Indianapolis — APARTMENT — Charnwood Realty Co., c/o Washington Bank & Trust Co., 255 West Washington St., general contract 3 story and basement, 200 x 300 ft. apartment, to A. Baynhom & J. H. Morgan, 3419-35 North Pennsylvania St. Archts. est. $180,000.

Mich., Birmingham — EXCHANGE — Michigan Bell Telephone Co., Cass Ave., Detroit, 2 story and part basement, rein.-con. and brick, plain foundation, to N. A. Starr, 112 Howarth Bldg., Royal Oak. Archts. est. $150,000.

Mich., Detroit — WAREHOUSE — L. B. King Co., 1274 Library Ave., 3 story and basement, rein.-con., brick and steel, plain foundation, Mullet St., to H. G. Christman Co., 315 Stevens Bldg. Archts. est. $150,000.

Ill., Chicago — APARTMENT — L. K. Grieser, archt., 28 East Jackson St., masonry and carpentry contract, 3 story and basement, 100 x 278 ft., brick and terra cotta, 4232-48 Clarendon Ave., to A. W. Anderson, 1436 Elmdale Ave., for S. Dlott, 179 West Washington St. Archts. est. $500,000.

Ill., Chicago—APARTMENT HOTEL—M. Factor, c/o D. S. Klafter, archt., 64 West Randolph St., general contract 4 story, 50 x 116 ft., brick, stone and terra cotta, 638-640 Briar Pl., to L. Susman, 30 North La Salle St. Archts. est. $150,000.

Ill., Chicago—STORE and APARTMENT —A. Nathan, c/o Leichenko & Esser, archts., 38 South Dearborn St., masonry contract 3 story, 54 x 117 ft., brick, Bernard St. and Irving Park Blvd., to J. Wasilewski, 2710 North Kimball Ave. Archts. est. $150,000.

Wis., Madison — STORE — Hills Stores, Inc., 202 State St., general contract 2 story and basement, 68 x 122 ft., rein.-con., brick and steel, plain foundation, State St., to J. H. Kelly, 24 East Mifflin St., Madison. Noted May 20.

Wis., Milwaukee—OFFICE—Milwaukee Electric Ry. & Light Co., 2nd and Sycamore Sts., remodeling 2 story office building, to H. Danischefsky, 1488 Humboldt Ave. Archts. est. $150,000.

Wis., Milwaukee—STORE and OFFICE —P. T. Maischoss, 477 Menlo Blvd., 6 story and basement, 120 x 120 ft., brick, concrete and terra cotta, plain foundation, Wisconsin St. and Bway., to W. W. Oeflein, 86 Michigan St. Archts. est. $500,000.

Wis., Milwaukee — THEATRE — Badger Building Serv., 445 Milwaukee St., 1 and 2 story and basement, 100 x 120 ft., brick, concrete and terra cotta, plain foundation, Center St., to T. Stark & Co., 130 Muskego Ave. Archts. est. $250,000.

Wis., Milwaukee—THEATRE—Colonial Amusement Co., 984 Sherman Blvd., 1 and 2 story, 52 x 225 ft., brick, concrete and terra cotta addition, plain foundation, Vliet St., to T. Stark & Co., 130 Muskego Ave. Archts. est. $300,000.

Wis., Rhinelander—BANK and OFFICE —Merchants State Bank, Raymond, cashier, 3 story and basement, 62 x 100 ft., stone and concrete, plain foundation, here, to Jacobson Bros., 410 Columbia Bldg., Duluth. Archts. est. $150,000. Noted Jan. 28.

Minn., Cambridge — ADMINISTRATION —State Dept. Administration & Finance, Capitol Bldg., St. Paul, general contract 2 story and basement, rein.-con., brick and stone, at Minnesota Colony for Epileptics, to Albee Bros., 1012 Plymouth Bldg., Minneapolis, $161,585. Noted May 20.

Minn., Minneapolis — HOTEL — Sheridan Holding Co., Marquette Ave. at 12th St., general contract 10 story and basement, 40 x 168 ft., rein.-con., brick and stone addition, Marquette Ave. between 11th and 12th Sts., to M. Schumacher, 39 Dell Pl. Total about $450,000.

Minn., Minneapolis — OFFICE — Baker Building, Inc., M. T. Baker, pres., Baker Bldg., general contract 2 story and basement, 73 x 121 ft., rein.-con. and brick addition, 125-29 7th St. South, to J. Leck Co., 211 South 11th St. Archts. total est. $150,000.

Neb., Omaha — OFFICE — Metropolitan Utilities Dist., T. A. Leisen, mgr., City Hall, 4 story and basement, 66 x 136 ft., rein.-con. and brick, plain foundation, 18th and Harney Sts., to Peter Kiewits Sons, Omaha Natl. Bank Bldg., $223,450. Noted Mar. 4.

Mo., Farmington — COURT HOUSE — Clerk St. Francois Co., general contract 3 story and basement, 96 x 96 ft., rein.-con., brick and stone court house, to McCarthy Constr. Co., 4908 Delmar Blvd., St. Louis, $209,584. Noted Apr. 29.

Mo., Joplin — THEATRE, etc. — [illegible] Studios, Inc., 30 West Lake St., Chicago, Ill., will build 1 and 2 story, 120 x 150 ft., rein.-con., brick, stone and terra cotta theatre, 5th and Virginia Sts., by day labor, $300,000. F. Jacobs, 4442 Monticello Ave., Chicago, Ill., archt.

Mo., St. Louis — APARTMENT — Clem Eyrie Invst. Co., 721 Chestnut St., 3 story and basement, 80 x 138 ft., brick, concrete and stone, 5364-70 Delmar Blvd., to W. F. Sheehan, 721 Chestnut St.

Mo., St. Louis—APARTMENTS—Meredyke Constr. Co., 721 Chestnut St., 100 x 131 ft., 6168 Waterman Ave., and 50 x 92 x 113 ft., 6154 Waterman Ave., both 3 story and basement, brick, concrete and terra cotta, to W. F. Sheehan, 721 Chestnut St.

Mo., St. Louis—GARAGE—Seven-Wal Garage Co., c/o W. King, 500 Walnut St., pres., 6 story, 160 x 215 ft., rein.-con. and brick, 7th and Walnut Sts., to Morrison Constr. Co. & Mid-Continent Constr. Co., 311 International Life Bldg. Archts. est. $275,000.

Mo., St. Louis—STORE and OFFICE—R. Hill, Lister Bldg., will build 2 story and basement, 72 x 156 ft., and 44 x 178 ft., rein.-con., brick and stone, Maryland and Euclid Aves., $175,000. Work will be done by sub-contracts under supervision of P. J. Bradshaw, International Life Bldg., archt.

Tex., Amarillo—HOTEL—Amarillo Hotel, 11 story and basement, 48 x 76 ft., rein.-con., stone and brick to F. Bone Constr. Co., Amarillo. Archts. est. $300,000. Noted Mar. 4.

Tex., Dallas—APARTMENT—L. Power, Plaza Vista, Inc., Bryan High School, general contract 10 story and basement, 60 x 126 ft., rein.-con. and brick, plain foundation, Worth St., to Worden-Henry Constr. Co., Kirby Bldg., $265,000.

Tex., Dallas—APARTMENT—Oak Cliff Apartment Corp., J. B. Rucker, 1813 Main St., 10 story and basement, rein.-con. and brick, plain foundation, Colorado St., to Bellows-Maclay Co., Kirby Bldg. Archts. est. $650,000.

Tex., Dallas—BANK and OFFICE—Dallas Natl. Bank, J. D. Gillespie, Dallas Natl. Bank, general contract 15 story and basement, 53 x 100 ft., rein.-con. and steel, plain foundation, Main St., to Henger & Chambers, Slaughter Bldg. Cost plus percentage basis. Archts. est. $500,000.

Tex., Greenville—BANK and OFFICE—Greenville Natl. Exch. Bank, c/o J. B. Clayton, pres., 7 story and part basement, 41 x 108 ft., brick, steel and rein.-con., Lee and Stonewall Sts., to Christy-Dolph Constr. Co., 801 Central Bank Bldg., Dallas, $169,900.

Tex., Kerrville—HOTEL—P. G. Sebler & Co., archts., 331 Bedell Bldg., San Antonio, 6 story and basement, brick, stone and rein.-con. hotel, here, to Walch & Burney, 628 North Florance St., San Antonio, for Singleton & Wallace, Houston. $260,000. Noted Apr. 22.

Tex., Port Arthur — ARMORY — Port Arthur Memorial Armory Assn., c/o R. L. Drake, chn. Building Com., (1st unit) 2 story, 50 x 80 ft. armory, to H. W. McCord, Woolworth Bldg., $52,724; plans 2nd unit later. Total $250,000.

Tex., Wichita Falls—MEDICAL ARTS—Western Medical Arts Building Corp., c/o A. McClory, Bob Waggoner Bldg., 11 story and basement, 100 x 150 ft., brick, stone and terra cotta, 8th and Lamar Sts., to J. S. Harrison, Jr., 1114 Santa Fe Bldg., Dallas, $550,000. Noted Nov. 5.

Wash., Seattle—OFFICE and STORE—V. W. Voorhees, archt., Eitel Bldg., 10 story and basement, rein.-con. and steel, 6th and Stewart Sts., to West Coast Constr. Co., Seaboard Bldg., for Vance Lumber Co., Eitel Bldg. $166,652. Noted May 20.

Calif., Inglewood—HOTEL and STORE—Income Community Properties, 4 story and basement, 91 x 185 ft., brick and concrete, Locust and Queen Sts., to T. B. Morrison, Pacific Mutual Bldg., Los Angeles, approximately $315,000. Noted May 13.

Calif., Los Angeles — APARTMENT — Western Holding Co., 4 story and basement, 60 x 110 ft., concrete, West 8th St., to J. P. Stein, 914 Westchester Pl., $150,000.

Calif., Los Angeles—APARTMENTS—Signal Realty Co., 5 story and basement, Alexandria Ave. near 4th St., and 6 story and basement, 3rd St. and Alexandria Ave., both brick and steel, to Bard & Co., Pacific Natl. Bank Bldg., approximately $150,000 and $200,000 respectively.

Calif., Los Angeles—APARTMENT—E. Wilson, 3 story and basement, 100 x 100 ft., frame and stucco, Marathon Ave., to S. C. Clark, 6001 Santa Monica Blvd., approximately $150,000.

Buildings—Commercial (Continued)

Calif., Los Angeles — HOTEL — E. K. Ginsberg, 747 South New Hampshire St., 4 story and basement, 96 x 150 ft., brick, West 8th St., to Callahan & Sons, Edwards-Wildey Bldg., $185,000. Noted Dec. 3.

Calif., Los Angeles — HOTEL — N. H. Chase, 5 story and basement, brick, South Bonnie Brae Sts., to Bard Co., Pacific Natl. Bank Bldg., approximately $165,500.

Calif., Los Angeles—OFFICE and LOFT —Figueroa Street Co., 3 story, 180 x 220 ft., rein.-con., Figueroa St., to Edwards, Wildey & Dixon, Edwards-Wildey Bldg., approximately $275,000.

Calif., Los Angeles — SALES and GARAGE—T. B. Keim, Jr., archt., Haas Bldg., 4 story and basement, rein.-con., 12th and Figueroa Sts., to C. A. Schweissinger, 627 Loomis St., for A. P. Mitchel, et al, 505 South Irving Blvd., approximately $175,000. Noted Apr. 29.

Calif., Los Angeles — STORE, OFFICE and THEATRE—Interests, c/o H. E. Jones, rein.-con. and steel, Vine St., to Simpson Constr. Co., Hollywood Guaranty Bldg., approximately $300,000.

Calif., Pasadena—OFFICE—Coast Holding Corp., c/o R. S. Loring, archt., 530 South Euclid Ave., 6 story and basement, 75 x 150 ft., rein.-con., Green St., to Murray Co., Security Bldg., Los Angeles, $375,000.

Calif., San Francisco — APARTMENT — M. A. Hunt, 916 Van Ness Ave., two 6 story and basement, rein.-con., one at Sutter and Franklin Sts., and other Fern and Franklin Sts., to Helbing Co., 916 Van Ness Ave., $150,000 each.

Calif., San Francisco — APARTMENT — M. A. Hunt, 916 Van Ness Ave., 6 story and basement, rein.-con., Green and Webster Sts., to Helbing Co., 916 Van Ness Ave., $150,000.

Calif., San Francisco—APARTMENT—Nineteen Fifty-Eight Vallejo St., Inc., 2240 Green St., 11 story and basement, rein.-con., Vallejo St. near Laguna St., to Denke & Bowes, 1317 Hyde St., $200,000 or more. Noted May 20.

Calif., San Francisco—AUTO SALES—E. C. Anthony, 1335 Van Ness Ave., 4 story, steel and rein.-con., Ellis St. and Van Ness Ave., to Cahill Bros., 55 New Montgomery St., approximately $400,000. Noted May 27.

Calif., San Francisco—OFFICE—Cahill Bros., (owners and contractors), 55 New Montgomery St., will build probably 15 story and basement, 44 x 87 ft., Pine and Sansome Sts. To exceed $150,000.

Buildings—Industrial

Proposed Work

R. I., Providence—REPAIR SHOP and GARAGE—New York, New Haven & Hartford R.R. Co., South Sta., Boston, plans 1 story, 86,000 sq.ft. floor space, brick, Kinsley Ave., here. $40,000. Private plans.

Conn., Hartford — FACTORY — Royal Typewriter Co., 150 New Park Ave., had preliminary plans prepared factory addition. $40,000 or more.

N. Y., Albion—HEATING PLANT—Bd. Educ. plans heating plant for high school, here. $40,000.

N. Y., Buffalo—FURNITURE PLANT—De Luxe Living Room Furniture Co., 4743 Seneca St., plans rebuilding factory, Seneca St., recently destroyed by fire. $90,000.

N. Y., New York—POWER HOUSE—New York Edison Co., Irving Pl., plans 3 story, rein.-con., brick and steel, plain foundation, 118 West 53rd St. $85,000. Private plans.

N. Y., Salamanca—SILK MILL—H. F. Midgley, c/o Moench Tannery, plans silk mill. $150,000.

N. J., Camden—PLANT—Amer. Brown-Boveri Electric Co., Bway. and Fairview Aves., soon takes bids 1 story, 60 x 180 ft. brick, steel and stone, addition, plain foundation. Private plans.

N. J., Newark—PLANT—R. J. Wing Mfg. Co., Victoria St., having plans prepared by Fletcher-Thompson, engrs. and archts., 350 Madison Ave., New York City, rein.-con. brick and steel addition, plain foundation, Frelinghuysen Ave. $45,000.

Pa., Sharon — PLANT — Westinghouse Electric & Mfg. Co., East Pittsburgh, having plans prepared by B. H. Prack, Martin Bldg., Pittsburgh, 5 story and basement, 72 x 220 ft., brick and steel addition, here. $275,000.

Pa., Universal—CEMENT PLANT—Universal Portland Cement Co., 210 La Salle St., Chicago, Ill., having plans prepared 1 story, 90 x 460 ft., brick, concrete and steel addition, here. $1,000,000. Private plans.

Pa., Vanport—BRICK PLANT—Gloninger Brick Co., Arrott Bldg., Pittsburgh, having plans prepared rebuilding 1 story, brick and steel plant, recently destroyed by fire. $40,000. Private plans.

Pa., Williamsport—MARKET HOUSE—Williamsport Market Co., E. Horn, pres. Brozman & Gerson Co., 1st Natl. Bank Bldg., plans 2 story and part basement, 71 x 208 ft., concrete and steel, Market St. $150,000. Engineer and architect not selected.

Pa., Williamsport—CAR BARN—Williamsport Passenger Rys. Co., L. W. Heath, genl. mgr., takes bids about July 2, 1 story, 100 x 400 ft., rein.-con. and steel, West 3rd St. $150,000.

N. C., Burlington—FURNITURE FACTORY—Southern Furniture Co. plans high-grade factory. $250,000. E. Holt & M. B. Smith, Burlington, interested.

La., Louisiana—SHEET METAL PLANT —Amer. Sheet Metal Wks., 3500 South Carrolton St., having plans prepared by Favrot & Livaudais, Hibernia Bank Bldg., and soon takes bids 1 story, concrete and steel, rein.-con. foundation, Alexandria and Conti Sts.

O., Canton—FACTORY—Timken Roller Bearing Co., Harrison Ave. S. W., plans extending factory. $1,000,000.

O., Canton—FACTORY—Wheel Products Corp. plans new factory, here. To exceed $50,000.

O., Columbus — WORKSHOP — Water Works Dept., C. B. Hoover, supt., City Hall, having sketches made 3 story and basement, 100 x 135 ft., brick and concrete, West Spring St. $100,000. R. H. Simpson, city engr.

Ind., Evansville—ROUND HOUSE—Chicago & Eastern Illinois R.R., L. C. Hartley, ch. engr., 166th St. and Union Ave., Chicago, Ill., plans machine shops and round house for terminal, near here. $500,000.

Mich., Detroit—PLANT—Wolverine Tube Co., 1411 Central Ave., having plans prepared by Carey & Esselstyn, 602 Hoffman Bldg., 2 story, 120 x 120 ft., rein.-con., brick and steel addition, plain foundation, Central Ave.

Mich., Niles—ICE PLANT—City Ice & Fuel Co., c/o E. C. Balzhizer, vice pres., 6611 Euclid Ave., Cleveland, O., having preliminary plans prepared by W. A. Schmidt, 3320 Jefferson Ave., Cincinnati, O., 1 story ice plant, concrete, brick and steel, here. $200,000. C. C. Coneby, 3320 Jefferson Ave., Cincinnati, O., engr.

Ill., Chicago — METAL PRODUCTS FACTORY — A. S. Alschuler, archt., 38 East Jackson Blvd., soon lets contract 1 story, 62 x 350 ft., brick and terra cotta addition, 5700 West Roosevelt Rd., for Pheoll Mfg. Co., 5700 West Roosevelt Rd. $100,000.

Wis., Cedarburg — REFRIGERATION PLANT — Federal Silver Fox Farms, J. Nieman, pres., Thiensville, plans 2 story, brick and concrete, plain foundation, here. $50,000. Engineer and architect not selected.

Wis., Fond du Lac—PLANT—Wisconsin Power & Light Co., 16 North Carroll St., Madison, F. Whitly, dist. mgr., plans 3 story, 30 x 60 ft., rein.-con., brick and steel coke screening and storage plant, here. $40,000. Engineer and architect not selected.

Ia., Dubuque—GARAGE and REPAIR SHOP—Julien Dubuque Garage Co., c/o S. F. Wersei, 12 South Grandview St., plans 3 story, rein.-con., brick and steel, plain foundation, 3rd and Locust Sts. $200,000.

Kan., Newton — RAIL MILL and FROG SHOP — Atchison, Topeka & Santa Fe. R.R. Co., H. W. Wagner, ch. engr. (Eastern Lines), Topeka, plans rail mill and frog shop, here. $175,000.

Tex., Amarillo—LAUNDRY—G. Lindsey, having plans prepared by J. R. Smith, 310 Blackburn Bldg., 1 story and basement, brick and rein.-con. laundry. $45,000.

Tex., Ft. Worth—PETROLEUM BUILDING—R. O. Dulaney, F. & M. Bank Bldg., having plans prepared by W. C. Hedrick, 1st Natl. Bank Bldg., 12 story (ultimately 20 story) and basement, 50 x 95 ft., stone and terra cotta, 6th and Throckmorton Sts. $500,000.

Tex., Houston—PACKING PLANT—J. L. Jones, 1116 Bissonet St., having plans prepared by J. W. Northrop, 302 West Bldg., 3 story, 75 x 100 ft., brick and tile, Commerce and Hamilton Sts. $50,000. M. L. Diver, Calcasieu Bldg., San Antonio, engr.

Tex., Olmito (near Brownsville)—LIGHT PLANT—A. Parker Securities Co., Brownsville, soon takes bids light plant, here. $40,000.

Tex., San Antonio—PLANT—Fraternal Supplies Mfg. Co., c/o Manufacturers Assn., Gunter Hotel, purchased site and plans plant, manufacturing uniforms. $100,000. Engineer and architect selected soon.

Tex., Sonora—LAUNDRY—Sonora Laundry Plant, c/o T. Driscoll, San Angelo, plans new plant, here. $40,000 (incl. machinery).

Okla., Sentinel—COTTON GIN—Sentinel-Co-operative Gin Co. plans modern cotton gin plant. $40,000.

Calif., Los Angeles — FACTORY — Advance Auto Body Wks., 515 Mission Rd., had revised plans prepared by H. Bean, Central Bldg., 2 story, 125 x 146 ft., Class "A" Mission Rd. and Macy St. $40,000. Former bids rejected. Noted Feb. 11.

Calif., Los Angeles—WAREHOUSE and MILL—Poultrymens Co-operative Milling Assn. having plans prepared by J. M. Cooper, Rives-Strong Bldg., warehouse and mill, Union Pacific Manor Dist. $100,000.

Calif., Pomona — FACTORY — Interests represented by R. L. Knox, San Antonio Fruit Growers Exch., plans factory, 3rd St. $40,000 or more.

Calif., Vallejo — PLANT — Sacramento River Fishermen's Union, Pittsburg, plans packing and icing plant, here. $50,000.

Ont., Brucemines—HARDWOOD PLANT —W. Parkinson, Akalyn, Wis., plans hardwood plant, here. $1,000,000.

Ont., St. Catharines — DAIRY and REFRIGERATION PLANT — Silverwoods, Ltd., London, plans dairy and refrigeration plant, here. $75,000. Private plans.

Bids Desired

Mass., Boston—FACTORY—Eagles Mattress Co., 17 Nassau St., taking bids altering and constructing 4 story, brick addition, 113 West Brookline St. $40,000. A. Rosenstein, 220 Devonshire St., archt.

Mass., Boston—SHOP—See "Contracts Awarded."

Mass., Lynn — REPAIR and SERVICE GARAGE — M. Galaid, 540 Beach St., Revere, taking bids 1 story, 85 x 220 ft., brick, 234 Chestnut St. $70,000. E. Earp, 333 Union St., archt. Noted May 27.

Mass., Springfield — MANUFACTURING —See "Contracts Awarded."

R. I., Cranston — SILK MILL — Respro Mills, Inc., W. Midley, treas., taking bids 2½ story, 105 x 340 ft., brick, Lexington Ave. $100,000. C. R. Makepeace, Butler Exchange Bldg., Providence, archt. Noted July 16.

Pa., Laurelton — HEATING PLANT — June 12, by Laurelton State Village, c/o H. H. Wolf, doctor, 1 story, 40 x 50 ft., concrete stone and steel central heating plant, plain foundation, Contr. 1; two 300 hp. boilers, etc. Contr. 2; 8 x 200 ft. radial brick chimney and foundations, Contr. 3; and 3,500 lin.ft. steam distributing systems and piping, Contr. 4. G. S. Idell, Corn Exch. Bldg., Phila., archt. S. A. Jelette Co., 1200 Locust St., Phila., engrs.

Pa., West Easton (Easton P. O.)—MILL —June 9, by W. Michler, archt., 601 Drake Bld., Easton, 3 story and basement, 103 x 109 ft., rein.-con., brick and steel, plain foundation, here, for Chipman Knitting Mills, Easton.

O., Cleveland—FACTORY—W. J. Wefel, archt., 5716 Euclid Ave., taking bids 2 story and basement, 40 x 140 ft., brick and steel addition, for Domestic Electric Co., C. A. Duffer, pres., 7209 St. Clair Ave. $50,000. Noted Mar. 25.

Ill., Chicago—FACTORY—June 10, by A. Epstein, archt., 2001 West Pershing Rd., 2 story, 50 x 160 ft., brick and terra cotta, 37th and iron Sts., for Chicago Pneumatic Tool Co., 572 West Randolph St. $45,000.

Okla., Bartlesville—GASOLINE PLANT —See "Contracts Awarded."

Calif., Los Angeles—SUBSTATION—See "Contracts Awarded."

Contracts Awarded

Mass., Boston—CANDY and ICE CREAM FACTORY—J. W. Allen & S. H. Whitely, Tremont Bldg., 3 story, 40 x 70 ft., brick, plain foundation, 12 Minor St., to E. J. Farrell, 433 Tremont St. Archts. est. $40,000.

Mass., Boston—SHOP—F. B. Curry, 72 East Dedham St., will build 3 story, 40 x

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Buildings—Industrial (Continued)

65 ft., brick addition. Work will be done by separate contracts. $50,000. Private plans.

Mass., Cambridge (Boston P. O.) — PLANT — Lever Bros. Co., 164 Bway., 4 story, brick addition Bway. and Burleigh St., to W. H. Whitcomb Constr. Co., 6 Beacon St., Boston. Archts. est. $40,000-$50,000.

Mass., Melrose (Ind. br. Boston)—REPAIR SHOP and CAR HOUSE—Eastern Massachusetts St. Ry. Co., 5 Fernwood St., Revere altering and constructing 1 story, 100 x 225 ft., brick, to R. A. Doyle, 32 Caldwell Crescent, Lynn. Archts. est. $50,000.

Mass., Readville (Ind. sta. Boston)—SAND BLAST—New York, New Haven & Hartford R.R., E. Gagel, ch. engr., New Haven, Conn., 1 story, 110 x 150 ft., brick and steel, here, to Tredennink-Billings Co., 10 High St., Boston. Archts. est. $40,000 or more. Noted May 13.

Mass., Somerville (Boston P. O.)—REPAIR and SERVICE GARAGE—C. E. Hall & Sons Co., 60 Cross St., 1 story, 90 x 135 ft., rein.-con. and brick, Cross St., to W. T. Reed Co., 201 Devonshire St., Boston. Archts. est. $50,000.

Mass., South Boston (sta. Boston) — POWER HOUSE—Boston Elevated R.R. Co., Park Sq. Bldg., Boston, will build 3 story, 35 x 95 ft., rein.-con., brick and steel, East 1st St., here, by day labor. $130,000. Dwight P. Robinson Co., 125 East 46th St., New York City, engrs.

Mass., Springfield — MANUFACTURING —Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa., will build various sizes, brick and steel, manufacturing additions, at East Springfield, here. $1,000,000. Work will be done by separate contracts. B. H. Prack, Martens Bldg., Pittsburgh, Pa., archt.

Pa., New Castle — MANUFACTURING PLANT — Natl. Radiator Co., Johnstown, 1 story irregular shaped, brick and steel addition, here, to Austin Co., Union Trust Bldg., Pittsburgh. Archts. est. $100,000.

Pa., Phila.—SUB-STATION—Phila. Electric Co., 10th and Chestnut Sts., 1 story, balcony and basement, 50 x 99 ft., rein.-con. and brick, plain foundation, 52-54 North 6th St., to F. M. Harris Co,. 1520 Parrish St. Noted Apr. 29.

Md., Baltimore—SERVICE and SALES—**Owens** & Sisco, archts., Continental Bldg., 1 story, 90 x 195 ft., concrete and brick, plain foundation, 29th St. and Remington Ave., to Price Constr. Co., Maryland Trust Bldg., for Wilson Nash Motors Co., 1109 Cathedral St. $65,000. Noted Apr. 22.

O., Cincinnati — MANUFACTURING — Crosby Radio Co., Colerain Ave., 6 story and basement, 75 x 260 ft., brick and rein.-con., plain foundation, Sassafrass St., to Ferro Concrete Co., Elm St., $300,000.

O., Cleveland — LAUNDRY — Cleveland Sanitary Wet Wash Co., H. H. Hood, pres.-genl. mgr., 6204 Central Ave., 1 and 2 story, 100 x 120 ft., brick and steel addition, 9245 Beckman Ave., to S. W. Emerson Co., Union Bldg. Archts. est. $50,000.

Mich., Grand Rapids—FACTORY—Amer. Seating Co., 1 story, rein.-con., brick and steel, plain foundation, 59 x 183 ft. and 40 x 169 ft. lumber storage and dry kiln building, 100 x 258 ft., and 45 x 59 ft. pressed steel shops, 90 x 459 ft. wood shops and foundry, and 85 x 146 ft. wood shops, to Owen-Ames-Kimball Co., Grand Rapids. Noted Apr. 8.

Ill., La Salle—CEMENT PLANT—Central States Eng. Co., 111 West Monroe St., Chicago, complete portland cement plant, incl. mill, 1,000,000 bbl. annual capacity, etc., to Cowen Eng. Co., 111 West Monroe St., Chicago. Engrs. est. $3,000,000.

Wis., Jefferson — SERVICE STATION and REPAIR SHOP—Tuny & Reul, 1 story and basement, 50 x 100 ft., brick, rein.-con. and steel, plain foundation, to Stengel Constr. Co., Jefferson. Archts. est. $40,000.

Wis., Luck—PLANT—Atlas Co-operative Creamery Co., 2 story and basement, 50 x 56 ft. dairy plant, rein.-con., brick and steel, plain foundation, to A. L. Cedarburg, Luck. Noted May 20.

Wis., Milwaukee — MACHINE SHOP — Heil Co., 26th and Montana Aves., 1 story, 100 x 300 ft., brick and steel, plain foundation, Montana Ave., to Klug & Smith Co., 69 Wisconsin Ave.

Minnesota — SHOPS — State Dept. of Administration & Finance, St. Paul, to Pfeffer Constr. Co., 402 Builders Exch. Bldg., Duluth, constructing maintainance shop at Detroit $19,615, Brainard $19,225, and Bemidji $18,990; also to Swensen & Hakanson, 914 Builders Exch. Bldg., 1 at Rochester, $19,336. Grand total $77,166.

Mo., Kansas City—POWER PLANT, etc. —St. Marys Hospital, 28th and Main Sts., 1 story and basement, 60 x 138 ft., rein.-con. and brick boiler room and steam laundry, to G. P. Reintjes Co., 314 Interstate Bldg., $60,000 cost plus percentage basis. Noted Mar. 25.

Mo., St. Louis—LIGHT MANUFACTURING—B. T. Conwell, Jr., 1811 Liberty Central Bldg., 1 story, 80 x 600 ft., concrete, Riverside Dr., to Widmer Eng. Co., Laclede Gas Bldg. Engrs. est. $150,000.

Tex., Ft. Worth—PRINTING PLANT—Bunker Printing & Book Co., c/o A. Goodhart, Worth Bldg., 1 and 2 story and part basement, 200 x 200 ft., brick and stone, Adams, Daggett, Jarvis and Henderson Sts., to Butcher & Sweeney, 800½ Taylor St., $106,000. Noted Apr. 29.

Okla., Bartlesville—GASOLINE PLANT —Phillips Petroleum Co. will build 3 unit, 3,000,000 cu.ft. daily capacity gasoline plant, by day labor. Private plans.

Calif., Los Angeles—SUB-STATION—Dept. Water & Power Bureau, Municipal Water & Power Bldg., will alter 2 story sub-station, 120 East 4th St., by day labor. $45,000.

Calif., San Francisco — FACTORY and OFFICE—H. J. Brunnier, engr., Sharon Bldg., 2 story, rein.-con., 4th and Townsend Sts., to Lindgren-Swinerton, Inc., Standard Oil Bldg., for Amer. Radiator Co., 2nd and Townsend Sts. Approximately $70,000. Noted May 13 under "Buildings—Commercial."

Calif., Santa Monica—EXCHANGE—M. Sasso, archt., I. W. Hellman Bldg., Los Angeles, general contract 6 story, 60 x 80 ft., brick and steel here, to Western States Constr. Co., 1337 3rd St., for Santa Monica Telephone Co. Archts est. $200,000. Noted Mar. 25.

Miss., Purvis — POWER HOUSE — City State Investment Cp., 128 North Wells St., Chicago, purchased Purvis Pub. Serv. Co., J. A. Bennett, supt., and awarded contract power house, incl. 100 hp. Worthington oil engine, 50 hp. Fairbanks-Morse engine from old location, 12 ton ice plant and equipment, 125,000 gal. capacity tank on 100 ft. tower, etc., to A. Garrett, Canal Commercial Bldg., New Orleans, La. Engrs. est. $125,000. Company will also replace pine poles with creosoted poles in 10 mi. power distribution system and make extensions to outlying sections.

Buildings—Educational, Religious

Proposed Work

Me., Caribou — HIGH SCHOOL — Town, Bd. Educ., having sketches made by Bunker & Savage, Augusta Trust Bldg., Augusta, 2 story and basement, brick and stone high school. $175,000.

Mass., Boston — ADMINISTRATION, COMMUNITY, etc. — Congregation Adath Israel Temple, H. Levi, rabbi, 602 Commonwealth Ave., having plans prepared by McLaughlin & Burr, 88 Tremont St., 3 story, irregular shaped, brick and limestone temple, administration and community wings, etc., Riverway, Longwood Ave., Plymouth and Brenner Sts. $1,000,000. Noted Apr. 29.

Mass., Jamaica Plain (br. Boston) — SCHOOL — City, Schoolhouse Dept., Boston, plans 2 story and basement, brick and stone, Pershing Rd. and Centre St., here. $150,000. Engineer and architect not selected.

Mass., Leominster — SCHOOL — City, School Bd., having plans prepared by M. A. Dyer Co., 1 Beacon St., Boston, addition to Lancaster School. $150,000.

Mass., Peabody—SCHOOL—City having plans prepared by J. H. Bickford, 6 Beacon St., Boston, 2 story and basement, 70 x 125 ft., brick, Central St., "Bowditch Dist." $150,000. Noted Apr. 1.

R. I., Central Falls (Ind. br. Pawtucket) —HIGH SCHOOL—City, R. H. Bennett, supt. schools, having preliminary plans prepared by O'Malley & Fitzsimmons, Fanning Bldg., Pawtucket, 2 story and basement, brick and stone addition, Broad St. $150,000 or more.

R. I., Providence — CHURCH — Central Congregational Church, A. Bradford, pastor, having plans prepared by F. E. Jackson, Turks Head Bldg., 1 story and basement, brick and stone addition. $150,000.

Conn., New Haven—CHURCH—Church of Redeemer, R. M. Hughton, pastor, having preliminary sketches made by W. S. Gregory, engr. and archt., 1170 Bway., New York City, church, Cold Spring St. and Whitney Ave. To exceed $150,000.

N. Y., Buffalo—SCHOOLS—Bd. Ed., Genesee Bldg., plans elementary schools and additions. $1,545,000.

N. Y., Rochester—SCHOOL—Bd. Ed., Municipal Bldg., J. S. Mullen, secy., having sketches made by J. M. Tracy, 700 Duffy-Powers Bldg., School 32, basement, rein.-con., brick and stone, Reg St. $300,000.

N. Y., Rochester—SCHOOLS, etc.—Bd. Educ. having plans prepared by J. M. Tracy, 700 Duffy-Powers Bldg., School 32, on Lake Ave. $350,000, and School 34, on Lexington Ave., $300,000, both 2 story and basement, concrete, brick and steel, plain foundation; also by Gordon & Kaelber, Sibley Bldg., 3 story and basement, brick high school, plain foundation, Hudson Ave., $2,500,000.

N. Y., Sayville — SCHOOL — Bd. Educ. having plans prepared by Tooker & Marsh, engrs. and archts., 101 Park Ave., New York City, brick, steel and stone, plain foundation. $350,000.

N. J., Vineland — HIGH SCHOOL — Bd. Educ. having plans prepared by Guilbert & Betelle, engrs. and archts., Chamber of Commerce Bldg., Newark, brick, steel and stone, plain foundation. $500,000.

Pa., Cairnbrook—HIGH SCHOOL—Bd. School Directors Shade Twp., c/o C. Breebaker, having plans prepared by E. H. Walker, 26 East Church St., Somerset, 1 story and basement, 104 x 162 ft., brick and steel high school. $150,000.

Pa., Pittsburgh — CHURCH — Greek Catholic Church of The Holy Ghost, Superior Ave., having plans prepared by C. Strong, Keystone Bldg., 2 story and basement, 50 x 100 ft., brick and hollow tile, Superior Ave. $150,000.

O., Springfield — COLLEGES — Perkins, Fellows & Hamilton, archts., 814 Tower Court, take bids about June 4, 3 story, 66 x 137 ft., brick, rein.-con. and stone, for Wittenberg College. $150,000.

Ind., Bloomington — SCHOOL — Bd. School Comn. soon takes bids brick and rein.-con. school. $150,000. A. Grindle, Bloomington, archt.

Ind., Indianapolis—SCHOOL—Bd. School Comrs., N. M. Frazer, dir., having sketches made by Kopf & Deery, 403 Indiana Pythian Bldg., 3 story, brick and rein.-con. school, incl. 2 gymnasiums, library, etc., 34th and Meridian Sts. $1,000,000.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., having plans prepared by G. D. Mason & Co., 508 Griswold St., 2 story and basement, rein.-con., brick and steel, plain foundation, Hilldale St. and Packard Ave. $176,400.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., having plans prepared by I. J. Dise, 2631 Woodward Ave., (1st unit) 2 story and basement, rein.-con., brick and steel, plain foundation, Lakewood and Leipsic Aves. $174,400.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., having plans prepared by N. C. Sorensen, 3076 Philip Ave., (1st unit) 2 story and basement, rein.-con., brick and steel, plain foundation, Indiana and Norfolk Aves. $176,000.

Mich., Royal Oak (Ind. br. Detroit)—HIGH SCHOOL—Voted $870,000 bonds, 3 story, 50 room and gymnasium, rein.-con., brick and steel, plain foundation, Washington Ave., for Bd. Educ. F. D. Madison, Royal Oak, archt. Noted Jan. 29.

Ill., Chicago—MUSIC CONSERVATORY —A. Foster, archt., 225 North Michigan Ave., made plans and soon takes bids 1 story, 40 ft. high, 75 x 102 ft., with two wings, etc., rein.-con., brick, steel and terra cotta, 95th, Loomis, Throop and 97th Sts., for School Sisters of Notre Dame.

Ill., Morgan Park (sta. Chicago) — CHURCH — Morgan Park Episcopal Church, having plans prepared by Perkins, Fellows & Hamilton, 814 Tower Court, Chicago, and takes bids about June 21, 3 story, 150 x 172 ft., brick and stone addition, plain foundation. $230,000.

Calif., Davis — HIGH SCHOOL — Davis High School Dist. voted $150,000 bonds, group buildings. Noted Jan. 28.

Calif., Los Angeles—SCHOOL—City of Los Angeles School Dist. plans fireproof, San Pedro St. $150,000. Architectural Dept. Bd. Educ., archts.

Calif., Marysville — HIGH SCHOOL — Marysville High School Dist. voted $400,000 bonds, fireproof high school. Noted Mar. 11.

Calif., Oakland — ADMINISTRATION and DORMITORY — California Concordia College, c/o T. Brohm, pastor, 64th Ave. and Brann St., plans (1st section) fireproof administration building and

Buildings—Educational, Religious (Cont.)

dormitory, 64th Ave. and Foothill Blvd. $250,000.

Calif., Sacramento — CATHEDRAL — Westminster Presbyterian Church, having plans prepared by Dean & Dean, City Library Bldg., brick and concrete, 13th and N Sts. $250,000. Noted Apr. 1.

Calif., Yreka—HIGH SCHOOL—Siskiyou Co. plans forming Junior High School Dist., following which bonds for $185,000 or more will be voted to finance construction new high school.

Ont., Simcoe—SCHOOLS—Bd. Educ., C. H. Martin, chn., had plans prepared 2 story, 6 room addition to 1 unit, and 4 rooms to other 10 room unit. $190,000.

Ont., Toronto — CHURCH — Hill Dist. Presbyterian Church, 2 St. Clair Ave. E., having plans prepared by Wickson & Gregg, Temple Bldg., 1 and 2 story and basement, rein.-con., brick and steel, plain foundation, De Lisle Ave. $175,000.

Ont., Toronto — HIGH SCHOOL — York Twp., 40 Jarvis St., having plans prepared by Burden & Gouinlock, 101 King St. W., 2 or 3 story and basement, 10 or 12 room, rein.-con., brick and steel, plain foundation. $175,000.

Que., Limoilou—MONASTERY—Quebec Roman Catholic School Bd., A. Taschereau, secy., 77 St. Ursule St., Quebec, having plans prepared by R. Chenevert, 20½ D'Aiguillon, 4 story, 47 x 65 ft., rein.-con., brick and stone, 13th St., here, for Teachers of St. Francois D'Assise School. $200,000.

N. B., Buctouche — CHURCH — Roman Catholic Bishop of St. John, having plans prepared by F. J. Leger & R. A. Frechette, 30 Bonnacord St., Moncton, rein.-con., brick and steel church. $200,000.

Bids Desired

Vt., Rutland—SCHOOL—St. Josephs Roman Catholic Church taking bids 2 story, 55 x 199 ft., and 45 x 45 ft., brick and stone, plain foundation, Convent Ave. $150,000. Private plans.

Mass., Boston—CHURCH—Christ Episcopal Church, South Hamilton, taking bids 1 story and basement, brick and stone, Asbury St., here. $150,000. Smith & Walker, 80 Boylston St., archts.

Mass., Swansea — HIGH SCHOOL — Town, E. R. Steven, chn. com., taking bids 2 story and basement, 105 x 130 ft., brick and stone, plain foundation. $175,000. Ritchie, Parsons & Taylor, 15 Ashburton Pl., Boston, archts.

N. J., Wildwood—HIGH SCHOOL—June 11, by Bd. Educ., brick and stone high school annex, Pacific Ave. $295,000. W. C. Todd, secy.

Pa., Scranton—CHURCH and SCHOOL —June 9, by H. L. Cain & A. N. Debbins, archts., 1709 Arch St., Phila., 3 story and basement, 31 x 40 ft., and 45 x 115 ft., rein.-con., steel and stone, plain foundation, Jefferson and Linden Sts., for Elm Park Methodist Episcopal Church.

O., Cleveland Heights (Warrensville P. O.)—CHURCH—June 15, by Corbusier, Lenski & Foster, archts., B. F. Keith Bldg., Cleveland, 1 story, brick, steel and concrete, Lee Rd., here, for Cleveland Heights Methodist Church, G. E. Pickard, 14280 Superior Rd., Cleveland, pastor. $250,000.

O., Rocky River—SCHOOL—June 22, by Bd. Educ., E. S. Sisson, clk., 2 story and basement, 80 x 140 ft., brick, steel and concrete, West Lake Rd. $175,000. Fox, Foose & Duthie, 6523 Euclid Ave., Cleveland, archts.

Ind., Indianapolis—SCHOOL—June 8, by Bd. Educ., N. M. Frazer, dir., brick and rein.-con. auditorium and domestic science rooms, School 9, 740 East Vermont St. $175,000. McGuire & Shook, 320 Indiana Pythian Bldg., archts. Snyder & Rotz, Indianapolis, engrs. Noted Dec. 17.

Ill., Chicago—ELECTRICAL SCHOOL—June 7, by A. S. Alschuler, archt., 38 East Jackson Blvd., 5 story, 95 x 120 ft., rein.-con., brick and terra cotta, 1701-1709 West Congress St., for Coyne Electrical School, 1300 West Harrison St. $300,000.

Neb., Lincoln—HIGH SCHOOL—June 15, by L. G. Ludlam, secy. School Bd., 2 story and basement, brick addition, 22nd and J Sts. $255,000. Davis & Wilson, 525 South 13th St., archts.

Neb., Mitchell—SCHOOL—June 10, by Secretary School Bd., 2 story and basement, brick and stone school addition. $150,000. Meginnis & Schaumberg, 405 Nebraska State Bldg., Lincoln, archts. Noted Mar. 25.

Ark., Little Rock — HIGH SCHOOL — June 14, (extended date), by Special School Dist., R. D. Fones, secy., 800 Louisiana St., 4 story and basement, rein.-con., brick, stone, steel and terra cotta, Park Ave. $850,000. Wittenborg, Delony & Watts, 408 Home Life Bldg., Mann & Stern, A.O.U.W. Bldg., and J. P. Almand, 1107 Boyle Bldg., archts. Noted May 13.

Calif., Downey — GYMNASIUM and MANUAL ARTS—June 14, by Dist. Trustees, two 1 story, 90 x 112 ft. gymnasium and 52 x 180 ft. manual arts buildings, brick, for Downey Union High School Dist. Kistner & Co., Detwiler Bldg., Los Angeles, archt.

Calif., Los Angeles — HIGH SCHOOL — June 9, by Bd. Educ., Fairfax High School, 1 and 2 story 80 x 200 ft. gymnasium with 40 x 80 ft. wing, and 2 story class room building, brick, for Los Angeles City School Dist. $200,000. Parkinson & Parkinson, Title Insurance Bldg., archts. Noted July 23.

Calif., Oakland—SCHOOLS—Bd. Educ. taking bids, Lincoln School, 1 story, rein.-con., Jackson St., $150,000; and Clawson-Longfellow Jr. High School, fireproof, 33rd, Market, West and Brockhurst Sts. $350,000. J. J. Donovan, Tapscott Bldg., archt.

Bids Received

Mass., Brighton (sta. Boston)—SCHOOL —City, Schoolhouse Dept., Boston, May 20, 2 story and basement, brick and stone, Washington St. and Corey Rd. "Bennett Dist." from Phandor Co., 18 Tremont St., Boston, $101,000. Noted May 13.

Conn., New Canaan—HIGH SCHOOL—Town, School Building Com., May 21, general contract 2 story and basement, brick and steel, South Ave., from E. & F. Constr. Co., 94 Wells St., Bridgeport, $101,625. Noted May 13.

N. Y., Brooklyn—SCHOOL—W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., May 26, P. S. 203, Ave. M. from East 51st to 52nd Sts., for Bd. Educ., 500 Park Ave., New York City, from G. F. Driscoll Co., 548 Union Ave., $334,850. Noted May 20.

N. J., Paterson — SCHOOL — City, masonry and carpentry contract, etc., 3 story, brick, 20th Ave., from Doremus Benson Co., Paterson, $256,239.

Ia., Corning — HIGH SCHOOL — Bd. Educ., 2 and 3 story and basement, rein.-con., brick and stone, plain foundation, from C. E. Larson, Fort Dodge, $126,989. Noted May 6.

Contracts Awarded

Me., Scarboro—HIGH SCHOOL—Town, Bd. Educ., 2 story and basement, brick and stone high school, to J. J. Maloney Co., Benoit Bldg., Portland. Archts. est. $160,000.

N. H., Concord—HIGH SCHOOL—City, H. F. Lake, 97 North Main St., 2 story and basement, brick and stone, "Union School Dist.," to L. H. Shattuck, Inc., 208 Granite St., Manchester, $449,458. Noted May 13.

Mass., Concord—CHURCH—First Church Christ Scientist, 1 and 2 story and basement, brick and stone additions, to D. F. and W. G. Burns, Inc., 9 Park St., Boston. Archts. est. $150,000.

Mass., Malden (Boston P. O.) — CONVENT and CHAPEL — Church of Immaculate Conception, R. Neagle, pastor, Pleasant St., 1 and 2 story and basement, 18,000 sq.ft. floor space, brick and granite, plain foundation, Pleasant St., to T. O'Connor Co., Kendall Sq., Cambridge. Archts. est. $175,000. Noted May 27.

Mass., Quincy (Boston P. O.)—DORMITORY — Eastern Nazarene College, Wollaston Park, 3 story and basement, 50 x 100 ft., brick and stone, East Elm Ave., to Clark & Smith, 1419 Hancock St. Archts. est. $150,000.

Conn., Danbury — DORMITORY — State Bd. Educ., 130 Washington St., Hartford, general contract 3 story and basement, 40 x 170 ft., girls dormitory, brick and steel, here, to Hewlett Co., 886 Main St., Bridgeport, $128,960. Noted May 27.

Conn., Stamford — NURSES' HOME—Stamford Hospital, brick and steel nurses' home, to Amsterdam Building Co., 441 Lexington Ave., New York City. Noted May 13.

N. J., Hillside (mail Elizabeth) — SCHOOL—Bd. Educ. Hillside Twp., Central Grammar and High School, Coe Ave., P. S. 7, Gurd Ave., to G. W. Mercer, 105 High St., Perth Amboy. Noted Apr. 29.

N. J., Linden—SCHOOL—Bd. Educ., general contract 3 story, brick, steel and stone, plain foundation, to Limouze Bros., 111 8th St., West New York, $402,000; heating, to R. S. Smith, 40 Caldwell Pl., Elizabeth, $67,092. Noted Dec. 3.

N. J., Newark — CHURCH — St. Rocco Roman Catholic Church, J. Donate, pastor, Hunterdon St. and 14th Ave., brick, steel and stone, plain foundation, Hunterdon Ave., to W. H. Fissell & Co., 47 West 34th St., New York City. Archts. est. $150,000.

Pa., New Castle — CHURCH — Third United Presbyterian Congregation, general contract 1 and 2 story and basement, irregular shaped, steel and stone, to A. Wishart & Son, Sharon. Archts. est. $150,000. Noted May 20.

Pa., Phila.—CONVENT—H. D. Dagit & Son, archts., 1329 Race St., 3 story and basement, 69 x 80 ft., brick, steel and stone, plain foundation, 47th and Windsor Sts., to J. McShain, Inc., 1713 Sansom St., for St. Francis De Sales Convent, W. J. Crane, 47th and Windsor Sts., rector. Archts. est. $150,000. Noted May 20.

Md., Baltimore — PARISH HOUSE — Grace and St. Peter Protestant Episcopal Church, Park Ave. and Madison St., 4 story and basement, irregular shaped, rein.-con., brick and steel, plain foundation, to B. F. Bennett Building Co., 123 South Howard St., $150,000.

O., Lorain — SCHOOL, CONVENT and PARISH HOUSE — St. Ladislas Roman Catholic Church, A. Koeller, pastor, 1412 East 29th St., 85 x 98 ft. school, 32 x 45 ft. convent, and 30 x 54 ft. parish house, each 2 story, brick, steel and concrete, to L. A. Burgett Co., 6th and Bway. Sts. Archts. est. $225,000.

Ind., Gary—SCHOOL—Bd. Educ., general contract Horace Mann School, 3 story, brick, stone and rein.-con., to R. Danner, Hammond, $569,189; plumbing, to Gary Plumbing & Heating Co., Gary, $44,900; heating and ventilating, to C. H. Maloney & Co., Gary, $83,000; electrical work, to Hatfield Electric Co., 102 South Meridian St., Indianapolis, $41,712. Noted Apr. 29.

Ill., Chicago—SCHOOL—Bd. Educ., 650 South Clark St., Josephine Carson Locke School, 3 story and basement, 72 x 386 ft., brick, stone and terra cotta, Pratt and Octavia Aves., to Hanson Bros. Co., 127 North Dearborn St., $304,993. Noted May 6.

Minn., Minneapolis — SCHOOL — Bd. Educ., 305 City Hall, general contract 2 story and basement, rein.-con., brick and stone, 50th St. and Humboldt Ave. S., to L. E. Brophey & Co., 531 Lyndale Ave. N., $133,000. Noted May 20.

Mo., Cape Girardeau — SCHOOLS — Bd. Educ., L. L. Bowman, pres., 2 story, 46 x 70 ft. wings on May Green School, to A. H. Gerhardt, $34,890; and 2 story and basement, 80 x 164 ft. addition to Washington and West Schools, to J. Robinson, Anna, Ill., $179,611. Noted Apr. 15.

Tex., Amarillo — CHURCH — Central Presbyterian Congregation, 2 story, 140 x 210 ft., rein.-con., brick and steel, to M. J. Green, Manhattan, Kan. Archts. est. $250,000. Noted Mar. 4.

Calif., Los Angeles—CHURCH—E. G. Martin, archt., brick and steel, Wilton Place and 3rd St., to Mutter Bros., San Gabriel, for Roman Catholic Archbishop, St. Brendins Parish Church. $98,050. Noted Apr. 29.

Calif., Santa Cruz — SCHOOL — H. A. Minton, archt., Bank of Italy Bldg., 2 story and basement, rein.-con., to C. S. McCray, San Luis Obispo, for Holy Cross Church. $150,250. Noted Apr. 22.

Calif., Whittier — SCHOOL — Trustees Whittier School Dist., general contract Bailey School, 2 story, rein-con. to Salih Bros., Detwiler Bldg., Los Angeles, $115,912. Noted Apr. 29.

Que., Montreal — SCHOOL — Roman Catholic School Comn., new St. Cecile School, to Quinlan, Robertson & Janin, Ltd., 50 Notre Dame St. W., Montreal, $184,900.

Que., Sherbrooke—CONVENT—Srs. de Congregation Notre Dame, Mont Notre Dame, general contract convent, Convent St., to Gendron, Bonin & Poirier, Sherbrooke. Archts. est. $200,000.

Ont., Windsor — SCHOOL — Bd. Educ., general contract 2 story and basement, 180 x 250 ft., Hall Ave., to Strain & Emery, Dowler Bldg., $239,779; plumbing, heating and ventilating, to J. L. Heureux, 43 Wyandotte St. E., $60,352. Noted Apr. 29.

Federal Government Work

Proposed Work

Mass., South Boston (sta. Boston)—Spec. 5185—Dredging—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids May 5, dredging at Naval Dry Dock, here. Noted May 20.

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Federal Government Work (Continued)

N. J., Lakehurst — Water Tank — Spec. 5215—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans elevated steel water tank and piping, etc. at Naval Air Station, here.

Va., Norfolk—Road—Spec. 5221—Bureau Yards & Docks Navy Dept., Wash., D. C., plans road, etc. at Naval Hospital, here.

Mo., St. Louis—FEDERAL—U. S. Treas. Dept., Wash., D. C., plans rein.-con., brick and steel, sub-treasury and federal building, Chestnut and 4th Sts., here. $1,000,000.

Colorado — Catchment Area, etc. — U. S. Dept. Interior, Natl. Park Serv., Yellowstone Park, Wyoming, making plans and takes bids about July 1, rain water catchment area and 250,000 gal. storage tank, here. $20,000. B. H. Burrell, Yellowstone Park, acting ch. engr.

Bids Desired

Mass., Rutland Heights — Roads and Walks — June 22, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., roads and walks at U. S. Veterans Hospital 89, here. L. H. Tripp, ch. constr. div.

Conn., New Haven—Dredging—July 2, by U. S. Engineer Office, Providence, R. I., dredging in New Haven Harbor, here; adv. E. N.-R. June 3.

N. Y., New York—Dredging—June 28, by U. S. Engineer Office, Army Bldg., 39 Whitehall St., dredging and rock removal in Hudson River; adv. E. N.-R. June 3.

Pa., Pittsburgh — House — June 23, by U. S. Engineer Office, 2 story, lockkeepers house at Emsworth Dam, Ohio River, here; adv. E. N.-R. May 27 and June 3.

Del., Wilmington—Dredging—June 29, by U. S. Engineer Office, dredging inland waterway from Delaware River to Chesapeake Bay, Delaware and Maryland; adv. E. N.-R. June 3.

Md., Baltimore—Roadway—June 14, by Treas. Dept. at office Supervising Archt., Wash., D. C., roadway at U. S. Marine Hospital, here. Noted Nov. 12.

D. C., Wash.—Lumber—June 11, by A. L. Flint, genl. purch. officer, Panama Canal, southern yellow pine and douglas fir lumber, timbers, creosoted piles and white maple lumber, etc. Circular 1737.

W. Va., Huntington—Lock House—June 29, by U. S. Engineer Office, constructing frame lock house at Lock 7, Muskingum River; adv. E. N.-R. June 3.

Fla., Miami—Dredging—June 24, by U. S. Engineer Office, Jacksonville, dredging, rock removal and jetty foundations between ocean and harbor, here.

Fla., Orlando — Extension — June 21, by Treas. Dept. at office Supervising Archt., Wash., D. C., extension to U. S. Post Office, here.

La., New Orleans—June 8, by U. S. Engineer Office, 140 Decatur St., approximately 225,000 cu.yd. earthwork in Lake Pontchartrain Levee Dist.

O., Dayton—Foundations—June 21, at office Constructing Quartermaster, Wright Field, concrete foundations for storehouse, at Wright Field, here; adv. E. N.-R. June 3.

O., Dayton—Water Tank—June 22, at office Constructing Quartermaster, 200,000 gal. elevated water tank at Wright Field, here; adv. E. N.-R. June 3.

Ill., Great Lakes (br. Waukegan)—Roads —Spec. 5181—June 16, by Bureau Yards & Docks, Navy Dept., Wash., D. C., road and walks at Naval Training School, here.

Wis., Milwaukee—Breakwater—June 28, by U. S. Engineer Office, breakwater at Milwaukee Harbor; adv. E. N.-R. June 3.

Mo., St. Louis—Plumbing, etc.—June 18, by Treas. Dept. at office Supervising Archt., Wash., D. C., plumbing and improving existing facilities, at U. S. Marine Hospital, here.

Mo., St. Louis—Engines, etc.—June 22, at office secy. Mississippi River Comn., 1311 International Life Bldg., 1 pair tandem compound condensing engines, 2 watertube boilers, and transferring cabin, etc., on steamer "Mississippi"; adv. E. N.-R. June 3.

Mo., St. Louis—Hulls—June 23, by U. S. Engineer Office, Customhouse, 5 steel pile driver hulls; adv. E. N.-R. June 3.

Ark., Hot Springs—Equipment—June 22, at office Constructing Quartermaster, Army & Navy General Hospital, mechanical equipment, in power plant and laundry building, refrigeration system, etc.

Wash., Yakima — Remodeling — June 18, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here.

Calif., Livermore — Road — June 22, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., roadwork at U. S. Veterans Hospital 102, here.

Bids Received

D. C., Wash. — Generators — U. S. Engineer's Office, 1068 Navy Bldg., May 18, 3 generators, switching and electrical equipment, from General Electric Co., River Rd., Schenectady, N. Y., $189,000. Noted Apr. 22.

D. C., Wash.—Pipe Line—U. S. Engineer Office, Navy Dept. Bldg. pipe line from old filtered water reservoir, for Dist. of Columbia water supply project, from Lock Joint Pipe Co., Ampere, N. J., excavation $1.90, rock excavation $4, furnishing and laying pipe and fittings $29, Class B concrete $20; from A. Pope, Arizona Ave. and Upton St. N. W., Class A concrete $30. Noted Apr. 15.

Va., Yorktown—Fire Protection—Spec. 5116—Bureau Yards & Docks, Navy Dept., Wash., D. C., foam fire protection system with gasoline engine driven equipment, at Naval Fuel Depot, here, from English Constr. Co., 15 West 91st St., New York City, $87,440; and electric motor driven equipment, from Pittsburgh-Des Moines Steel Co., 807 Curry Bldg., Pittsburgh, Pa., $82,700.

Ala., Florence—Conduit—U. S. Engineer Office, 2,000 ft. conduit, from Interstate Electric Co., 2104 1st Ave., Birmingham, $255.

La., New Orleans — Levee — U. S. Engineers Office, 140 Decatur St., May 20th, earthwork in Pontchartrain Levee Dist., from McWilliams Dredging Co., Carondelet Bldg., $61,000; in Bayou Boeuff Levee Dist., Norwood-Crockett Bayou Levee, from Dameron & Kenyon, Baton Rouge, $65,800; and Cason to Turners Bayou Levee, from Grasser Contg. Co., Canal-Commercial Bldg., $29,125. Noted May 13.

Ill., Jacksonville — Extension — Treas. Dept. at office Supervising Archt., Wash., D. C., May 26, extension to U. S. Post Office, here, from A. M. Lundberg, 208 North Bway., St. Louis, Mo., $19,400. Noted May 20.

Wyoming—Road—J. W. Johnson, dist. engr., Custom House, Denver, Colo., May 12, grading, etc., 1.98 mi. Dayton-Steamboat Rock Constr. Sect. 4, Natl. Forest Rd. Project, Sheridan Co. from Scott & Curlee, Sterling, Colo., $39,110. Noted May 6.

Tex., Galveston—Piling—U. S. Engineer Office, 729 creosoted piles, from International Creosoting & Constr. Co., 2205½ B St., Galveston, $11,270.

Colorado—Road—J. W. Johnson, dist. engr., Custom House, Denver, grading 4.95 mi. Ward-Raymond Natl. Forest Road Project, Boulder Co., from Pioneer Constr. & Eng. Corp., Denham Bldg., Denver, $38,928. Noted May 6.

California—Road—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., 9 Main St., San Francisco, grading and crushed rock paving 14.81 mi. Yuba Pass Natl. Forest Rd., Sierra Co., from Nevada Contg. Co., Fallon, Nev., $69,682. Noted May 13.

T. H., Pearl Harbor—Generator Sets—Spec. 5200—Bureau Yards & Docks, Navy Dept., Wash., D. C., May 26, motor generator sets, here, from General Electric Co., River Rd., Schenectady, N. Y. (1) $29,916 (2) $27,281 (3) $25,856 and (4) $22.50. Noted May 13.

Contracts Awarded

Conn., New London — Refrigeration Plant, etc. — Spec. 5199 — Bureau Yards & Docks, Navy Dept., Wash., D. C., automatic refrigeration and cold storage plant, at Naval Submarine Base, here, to Bay State Constr. & Supply Co., 200 Causeway St., Boston, Mass., $3,335 (90 days). Noted May 20.

Md., Baltimore — Storehouse — Treas. Dept. at office Supervising Archt., Wash., D. C., storehouse at U. S. Quarantine Station, here, to J. G. Bensel Co., 17 Guilford Ave., $2,571. Noted May 27.

Wis., Milwaukee—Concrete—C. Hubbard, supt. Lighthouses, Federal Bldg., concrete work at North Breakwater Lighthouse, to E. E. Gillen Co., 288 East Water St., $11,249. Noted May 20.

Missouri—U. S. Engineer Office, Kansas City, 1,600 lin.ft. current retards in Missouri River, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., at $0.54 per ft. Noted May 13.

Calif., San Francisco — Garage — Spec. 5197—Bureau Yards & Docks, Navy Dept., Wash., D. C., temporary garage, at Naval Operating Base, Headquarters 12th Naval Dist., to R. E. Burgund, 806 Rodeo Dr., Beverly Hills, $6,486.

FEDERAL POWER COMMISSION

Application for Licenses and Permits

Applications

702—Minnesota Power & Light Co., 216 West 1st St., Duluth, Minn. — Wants License partially constructed power development, known as Gabbro Reservoir Project, in Isabella River, tributary of Kawishiwi River, Lake Co.

703—Utah Power & Light Co., Kearns Bldg., Kearns Bldg., Salt Lake City, Utah—Wants license constructing Paris Power Plant in Paris Creek, Bear Lake Co., Idaho.

704—California Oregon Power Co., [illegible] California St., San Francisco, Calif.—Wants license 38 mi. transmission line from Mill Creek Power Plant in Siskiyou Co., Calif., to Klamath Falls, Klamath Co., Ore.

705—B. Dibble, Redlands, Calif.—Wants preliminary permit 60 ft. with power structures, in Rock Creek, Twin Falls Co., Idaho. Project conflicts with 313.

706—B. Dibble, Redlands, Calif.—Wants preliminary permit dam, 120 ft. high, with power structures, etc. in Snake River, Twin Falls Co., Idaho. Proposed project conflicts with 313.

707 — Pacific Gas & Electric Co., 245 Market St., San Francisco—Wants license 31 mi. temporary transmission line used during construction Tiger Creek power house and Salt Springs reservoir (Project conflicts with 137).

708—Sierra & San Francisco Power Co., 625 Market St., San Francisco, Calif.—Wants license Melones Power plant in Stanislaus River, Calaveras and Tuolumne Counties, developing approximately 2,300 hp. primary capacity and 3,400 installed hp.

709—Wabash Hydro-Electric Co., Indianapolis, Ind. — Wants preliminary permit power project in Wabash River, Cass Co.

710—Wisconsin Power & Light Co., 16 North Carroll St., Madison, Wis.—Wants preliminary permit power project in Wolf River, Shawano Co., developing approximately 2,560 hp. primary capacity and 9,600 hp. installed capacity.

711—Southern Sierras Power Co., Riverside, Calif.—Wants license transmission line from San Jacinto substation to consumers beyond Soboba Indian Reservation, in Riverside Co.

712—City of Twin Falls, Twin Falls, Idaho—Wants preliminary permit diversion dam, 10 ft. high, with power structures, developing about 7,000 hp. primary capacity, on Snake River (in conflict with project 313), in Twin Falls Co.

713—Utah Power & Light Co., Kearns Bldg., Salt Lake City, Utah—Wants License Upper and Lower Mill Creek Power plants developing about 625 hp. in Mill, Porters and Church Creeks, Salt Lake Co., Calif.

714—Mrs. W. W. Price & E. G. Galt, 600 Stockton St., San Francisco, Calif.—Wants license 40 hp. power project in Eau Claire Creek, El Dorado Co.

Unclassified

Proposed Work

Piles and Piers—Boston, Mass.—City, Dept. Pub. Wks., plans piles and fender piers in Long Wharf, Boston Harbor and Charles River. $25,000. J. H. Sullivan, comr.

Tow Boat—Albany, N. Y.—T. F. Farrell, supt. Bureau Canals, rejected bids May 14, steel screw motor tow boat, with Deisel engine.

Dry Dock, etc.—Slidell, La.—Canulette Shipbuilding Co. plans 60 x 300 ft. dry dock, enlarging machine shop, etc., incl. 100 hp. Diesel engine, at Bayou Vincent.

Elimination of Grade Crossing—Memphis, Tenn.—City, Nashville, Chattanooga & St. Louis Ry., H. McDonald, ch. engr., Nashville, Tenn., Illinois Central R.R., A. F. Blaess, ch. engr., 135 East 11th Pl., Chicago, Ill., and Louisville Nashville R.R., W. H. Courtenay, ch. engr., Louisville, Ky., plan grade elimination at Aulow Ave. $300,000.

Conveyor — Columbus, O. — Columbus Water Works Dept., City Hall, plans coal and ash conveyor for main pumping station, Dublin Pike, northwest of here. $25,000.

Electrical Equipment—Chicago, Ill.—See "Bridges."

Coke Screening and Storage—Fond du Lac, Wis.—Wisconsin Power & Light Co., F. Whitely, mgr., 15 North Main St., plans 3 story, 30 x 40 ft., concrete and steel, plain foundation. $25,000.

Streets Lighting System — West Allis, Wis.—A. L. Wichner, supt. Pub. Wks., plans ornamental street lighting system on National Ave. between 62nd and 68th Aves., incl. concrete posts, cables, etc. To exceed $25,000. Engineer not selected.

Crushing Plant, etc. — Callado (mail Lobo), **Tex.**—Micolithic Co., c/o A. F. Fisher, secy.-treas., 203 Cotton Exch. Bldg., Houston, having plans prepared 300 ton daily capacity crushing plant, with 1,200 ton daily capacity quarry plant, about 6 mi. from here. $200,000. Private plans. Noted Jan. 28.

Land Development—Corpus Christi, Tex.—Wright-Dinn & Allsion, 1204 McCullough St., San Antonio, soon take bids develop-

Unclassified (Continued)

ing 200 acre subdivision, incl. gas, paving, waterworks and sewer systems. $350,000. S. Leuison, Corpus Christi, engr.

Gas Pipe Line — Wichita Falls, Tex. — Lone Star Gas Co., making plans 230 mi. 18 in. gas pipe line from Wheeler Co. to Petrolia; also plans later 10 in. line from Petrolia to Wichita Falls. $2,500,000. Private plans.

Hydro-Electric Development—Aberdeen, Wash.—Election June 29, issuing $2,000,000 bonds, developing Wynooche Hydro-Electric Project. $2,000,000 to $5,000,000. W. J. Roberts, P. S. Bank Bldg., Tacoma, consult. engr.

Sand Plant — Marysville, Calif. — H. C. Maginn, 11th and K Sts., Sacramento, leased site and plans sand plant and equipment, on Yuba River, near here. $25,000.

Transmission Line—Manteca, Calif.—Pacific Gas & Electric Co., 245 Market St., San Francisco, making specifications 98 mi. single circuit transmission line from Manteca, San Joaquin Co. through foothills to Pacheco Pass, thence across Santa Clara Valley to Salinas, Monterey Co. $598,000. Eng. Dept. of Owners, engrs.

Fire Alarm System, etc. — Sacramento, Calif. — Plans election $257,000 bonds, central manually operated fire alarm system, firegongs, etc.; $80,000 bonds, 2 swimming pools; $24,000 bonds, 3 comfort stations in downtown section; $450,000 bonds purchasing lands and improving same for public park purposes; and $55,500 bonds, subway at H. St. levee crossing; and $17,500 bonds, flood control features of Brighton Subway. A. J. Wagner, city engr.

Transmission Line—Quebec—Duke-Price Power Co., Ltd., 56 St. Peter St., Quebec, plans 38 mi. 154,000 volt transmission line from Ile Maligne to Port Alfred.

Hydro Extension—Ontario—Ontario Hydro Comn., University Ave., Toronto, plans 12 mi. line from Burford to Scotland. $40,000. Private plans.

Swimming Pool—Sandwich, Ont.—A. J. Lothian, archt., 32 La Belle Bldg., Windsor, soon takes bids remodeling swimming pool at Assumption College, here, for Assumption College. $30,000.

Subway—Walkerville, Ont.—Town Council, A. E. Cook, clk., plans subway under Canadian National Ry. tracks.

Telephone Line — British Columbia — British Columbia Telephone Co., 768 Seymour St., Vancouver, plans telephone line from Vancouver to Kamloops, to Canadian Pacific Telegraph Co., 4 Hospital St. Engrs. est. $150,000.

Bids Desired

Bulkhead, Seawall, etc.—Portland, Me.—Pocahontas Fuel Co., Inc., 172 Commercial St., taking bids brick and concrete bulkhead seawall, storehouse and office building. To exceed $40,000. H. S. Adams, 1 Court St., Boston, Mass., engr.

Heating and Ventilating—Medford (br. Boston), **Mass.**—City taking bids heating and ventilating system in new Junior High School, Court St. $25,000. M. A. Dyer, 1 Beacon St., Boston, archt.

Subway—Brooklyn, N. Y.—June 11, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, 14th Street-Eastern Dist. line, from Cooper and Wyckoff Aves. to Stewart St., Route 8, Sect. 6-E-2, here.

Air Compress—Farmingdale, N. Y.—June 25, by President Bd. Trustees State Institute for Applied Agriculture on Long Island, air compressor, etc., for State Institute, here; adv. E. N.-R. June 3.

Station Finish Work—New York, N. Y.—June 7, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St. station finish work at Times Square Sta., of Rapid Transit R.R.

River Shafts—New York, N. Y.—June 8, by New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., completing interiors of New York River shafts of Holland Tunnel below level tunnel sidewalk, Contr. 11. G. R. Dyer, chn. former, and T. Boettger, chn. latter commissions.

Boilers, Stokers, etc. — Danville, Pa. — June 10, by Danville State Hospital, F. M. Sprout, secy., 4 boilers, traveling grate stokers and combustion control, ash grates, hoppers, operating mechanism, furnace archts., etc., in new power house. S. A. Jelette Co., 1200 Locust St., Phila., archts.

Subway—Phila., Pa.—June 23, by H. E. Ehlers, dir. Dept. City Transit, 1211 Chestnut St., special track work and appurtenances for Fern Rock Terminal Yard of Broad St. subway.

Land Development — Norfolk, Va. — Pennsytown Corp., Norfolk, want complete town built incl. houses, golf links, etc.; adv. E. N.-R. June 3.

Swimming Pool — Memphis, Tenn. — See "Buildings—Commercial."

Oil Refinery—Smackover, Ark.—See "Contracts Awarded."

Brick Kilns—D'Hanis, Tex.—See "Contracts Awarded."

Wharf-Cap-de-la-Madeleine, Que. — June 15, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., constructing extension to wharf, here. $65,000. Noted Jan. 21.

Bids Received

Heating, etc.—Buffalo, N. Y.—State Hospital Comn., Capitol, Albany, May 19, heating work, additional boiler capacity, etc., at Buffalo State Hospital, here, from English Constr. Co., 15 West 91st St., New York City, (1) $29,400 and (2) $27,400. Noted May 6.

Fill—Corona (Ind. sta. Flushing), **N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., May 28, furnishing and placing fill in Corona Yards, Roosevelt Ave., here, from Welsh Bros. Contg. Co., 14 Queens St., Long Island City, $26,180. Noted May 20.

Sanitary Work, etc.—Kings Park, N. Y.—State Hospital Comn., Capitol, Albany, sanitary work, water lines, etc., at Kings Park State Hospital, here, from C. F. Mentzinger's Son, 354 Bway., Brooklyn, (1) $29,900 and (2) $20,500; exit facilities and fire stops, from M. Kantrowitz, 20½ Market St., Albany, (1) $88,000 (2) $69,000 and (3) $46,000; automatic fire sprinklers, from Industrial Automatic Sprinkler Co., 26 Cortland St., New York City, (1) $54,989 (2) $42,276 (3) $29,990 and (4) $15,198.

Tracking, etc.—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., installing tracks in portion Queensboro Subway line, from Slattery Eng. & Constr. Co., 10 East 43rd St., $31,-191. Noted May 20.

Fire Alarm System, etc.—Utica, N. Y.—State Hospital Comn., Capitol, Albany, May 19, fire alarm system at Utica State Hospital, here, from Wheeler-Green Electric Co., 29 St. Paul St., Rochester, $24,904; exit facilities and fire stops, from C. V. Soule Co., 5 Oak St., Albany, (1) $13,925 (2) $10,925 and (3) $3,440; replacing electric wiring, from Johnson Electric Corp., 100 Genesee St., $10,665. Noted Apr. 29.

Entrance and Exit Plazas—Jersey City, N. J.—New York State Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., New York City, May 24, constructing and curbing, sidewalks, granite block paving, etc. entrance and exit plazas, Contr. 26 of Holland Tunnel, here, from Leonard Paving Co., 233 Bway., New York City, $644,893. Noted May 20.

Contracts Awarded

Bleachers—New Bedford, Mass.—City, concrete bleachers in Ashley Park, to G. M. McCarthy, 9 Waverley St. Engrs. est. $25,000.

Signal System — Albany, N. Y. — Bd. Contr. & Supply, electrically controlled traffic signal system, to Alpha Electric Constr. Co., 124 Hudson Ave., $16,128.

Timber Piles, etc.—Albany, N. Y.—Albany Port Comn., 100 State St., timber piles and platform for bulkhead at Port of Albany, on Westerlo Island, to Great Lakes Dredge & Dock Co., 27 Lumber Dist., $319,-220. Noted May 27.

Pier — Phila., Pa. — City, c/o G. F. Sproule, city dir., Municipal Pier 4, South Wharves foot Chestnut St., substructure for Pier 80, Jackson St., Moyamensing Group, Delaware River, to McLean Contg. Co., 1415 Fidelity Bldg., Baltimore, Md., $1,093,-525. Noted May 6.

Underpass—Jackson, Miss.—City Council, underpass in Pascagoula St., to Illinois Central R.R. Co., 135 East 11th Pl., Chicago, Ill., $31,400.

Property Improvements—Cleveland, O.—Bd. Educ., F. Hogen, dir., East 6th St. and Rockwell Ave., improving property at Landon and McKinley Schools, incl. grading, sidewalks, masonry work and iron fencing, etc., to Vulcan Constr. Co., 5601 Bway., $32,000.

Culverts—Cherokee, Ia.—See "Bridges."

Culverts—Toledo, Ia.—See "Bridges."

Culverts — Webster City, Ia. — See "Bridges."

Dock—Duluth, Minn.—Clarkson Coal & Dock Co., 609 Garfield Ave., constructing 800 ft. concrete piers on sheet piling to replace wood dock, to Whitney Bros. Co., 909 Alworth Bldg. Engrs. est. $25,000.

Culverts — Russell, Kan. — See "Streets and Roads."

Culverts, etc.—Wyoming—See "Streets and Roads."

Oil Refinery, etc. — Smackover, Ark. — Simms Oil Co., Magnolia Bldg., Dallas, Tex., F. Gardener, ch. engr., will build modern oil refinery group to run 2,500 to 3,000 bbl. Smackover crude oil to gasoline, fuel and road oil, two 1,000 bbl. cracking units with pipe stills, boiler plants, etc., by day labor. F. Gardner, c/o owner, ch. engr.

Brick Kilns — D'Hanis, Tex. — D'Hanis Brick & Tile Co., D'Hanis and 710 Builders Exch. Bldg., San Antonio, will build 15 to 20 brick kilns, by day labor. $125,000 or more. Private plans.

Grain Elevator — Genessee, Idaho — Genessee Union Warehouse Co., 5 rein.-con. bins, 100 ft. high, with grain receiving pits, etc., to Alloway & George, Hutton Bldg., Spokane, Wash. $40,000.

Tunnel — Oakland, Calif. — East Bay Municipal Utility Dist., Ray Bldg., 1924 Bway., constructing Claremont tunnel, part of East Bay Aqueduct of Mokelumne River Project, to Grier & Mead, 480 Chetwood St., $1,374,374. Noted May 27.

Heating, etc. — London, Ont. — J. M. Moore, archt., 489 Richmond St., heating, plumbing and ventilating in new office building to Bennett & Wright, 81 King St., for London Life Insurance Co., 424 Wellington St. Archts. est. $80,000. Noted Apr. 29.

Foundation — Tillsonburg, Ont. — Regal Oil Corp., 704 Confederation Life Bldg., Toronto, concrete work for foundations of 14 houses, machinery and tanks, etc., to Orr & Clark, 121 Carlaw Ave., Toronto, $75,000. Noted Mar. 25 under "Buildings—Industrial."

Materials

Proposed Work

Paving Brick—McKeesport, Pa.—Plans to purchase approximately 1,000,000 paving brick. L. Savage, city engr.

Bids Desired

Cable—Boston, Mass.—June 9, by Supply Dept., lead covered cable, to Fire Dept. $4,000. F. L. Brier, supt.

Paving Blocks—Chicago, Ill.—June 8, by City, City Hall, 2,000 sq.yd. creosoted wood paving blocks. A. A. Sprague, comr.

Bids Received

Cables, etc.—Phila., Pa.—See "Waterworks."

Cables — Milwaukee, Wis. — Central Bd. Purchases, J. W. Nicholson, ch. buyer, May 24, 175,000 ft. steel-taped parkway and lead covered cables, from Boggis-Johnson Electric Co., 346 East Water St., $32,155. Noted May 20.

Refined Tar—Minneapolis, Minn.—F. S. Gram, city purch. agt., 150,000 gal. refined tar, from Barrett Co., 1 19th Ave. S., Spec. A $0.129 per gal.; Spec. B $0.113; Spec. C. $0.129; and Spec. D $0.169. Noted May 13.

Contracts Awarded

Road Oil—Hartford, Conn.—Bd. Contr. & Supply, 300,000 gal. 45% asphaltic base, and 16,000 gal 65% asphaltic base road oil, to Texas Co., Hartford, $22,625. Noted Apr. 29.

Timber Piles—Albany, N. Y.—Albany Port Dist. Comn., 100 State St., timber piles for bulkhead construction, to J. A. Maloney, 1170 Bway., New York City. Engrs. est. $100,000.

Castings — New York, N. Y. — J. Miller, pres. Manhattan Boro, Boro Hall, iron castings for Corporation Yards, here, to Campbell Fdry. Co., 313 Manor Ave., Harrison, N. J., $24,388. Noted May 20.

Road Oil — Lambertville, N. J. — City Comn., May 10, 12,000 gal. road oil to T. Tobish, Mechanic Bldg., Trenton, at $0.105 per gal.; and 500 tons stone, to Delaware River Quarry & Constr. Co., Lambertville, N. J., at $1.75 per ton. Noted May 6.

Rail Splice Bars, etc.—Phila., Pa.—H. E. Ehlers, dir. Dept. City Transit, 1211 Chestnut St., rail splice bars, bolts, nuts, locks and screw spikes, Contr. 123, for Broad St. Subway, to Bethlehem Steel Co., Bethlehem, $172,541. Noted May 27.

Road Oil — Madison, Wis. — W. R. Winckler, city clk., approximately 35,000 gal. asphaltic road oil, to Duro Asphaltic Products Co., 133 Washington St., Chicago, Ill. at $.0764 per gal. Noted May 6.

Road Oil—Wausau, Wis.—B. C. Gowen, city engr., 30,000 gal. road oil, to Amer. Tar Products Co., 208 South La Salle St., Chicago, Ill., at $0.113 per gal.; and 1 carload tarvia, to Barrett Co., 216 West Monroe St., Chicago, Ill., at $0.1946 per gal.

See proposal advertising on page 174

Constr. News page 357

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